CS609-System Programming

UPDATE HANDUTS

MID TERM MCQS

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1. Which of the following tasks is not performed by the operating system.
   - ❖ Multitasking
   - ❖ Memory Management
   - ❖ File Management
   - ❖ <mark>Hardware repairing</mark>

2. Windows operating system allows us to run a huge process in a small memory space due to
   - ❖ Efficient primary memory management
   - ❖ Flexibility naming scheme for resources
   - ❖ High processing speed of processor
   - ❖ <mark>Virtual memory management</mark>

3. To provide an interface between the user and computer, a system is required which is called_____
   - ❖ Application software
   - ❖ <mark>Operating system</mark>
   - ❖ Customized software
   - ❖ Both application and customized software

4. A process-1 in windows operating system can access the momery space of process-2 if _____
   - ❖ Process-1 has no privilege to access memory space of other processes
   - ❖ Both processes have same ID
   - ❖ Process-1 loaded in the same space as process-2
   - ❖ <mark>Process-1 has privilege to access memory space of other processes.</mark>

5. Windows operating system provides a naming scheme for the resources which allows maximum character only
   - ❖ <mark>255</mark>
   - ❖ 16
   - ❖ 55
   - ❖ 155

6. DOS was a _____ operating system.
   - ❖ GUI based
   - ❖ <mark>Command line</mark>
   - ❖ Real time
   - ❖ Multitasking

7. API stands for _____.
   - ❖ <mark>Application programming interface</mark>
   - ❖ Advance programming interface
   - ❖ Application programming integrity

❖ Application programs interoperability.

8. Which operating system was offered by Microsoft that was used prior to windows
   - ❖ LINUX
   - ❖ UNIX
   - ❖ Solaris
   - ❖ **Dos**

9. Which of the following theme is not consider while introducing the new version of windows.
   - ❖ Enhanced API
   - ❖ Scalability
   - ❖ Performance
   - ❖ **Increasing cost**

10. Which version of windows is used for mobile devices
    - ❖ Windows ME
    - ❖ **Windows CE**
    - ❖ Windows vista
    - ❖ Windows server

11. In 2021, which of the following desktop operating systems was widely used in the world market?
    - ❖ **Windows**
    - ❖ Fedora
    - ❖ Salaris
    - ❖ Linux

12. Using _____ commands can be issued to the system through icons, buttons, shortcuts, sound etc
    - ❖ Result- driven interface
    - ❖ **Graphical user interface**
    - ❖ Menu-driven interface only
    - ❖ Command only

13. One of the major causes of windows dominance in PC's market is its
    - ❖ **User-friendly GUI**
    - ❖ Best security features
    - ❖ Feature of multitasking
    - ❖ Best marketing strategy

14. Which statement is not correct about the windows operating system
    - ❖ **It can only be used in desktop system**
    - ❖ It supports both 32&64-bit architecture
    - ❖ It supports voice commands
    - ❖ It supports diverse hardware platforms

15. Which statement is incorrect about open source software?
   - ❖ Paid license is required for it use
   - ❖ Changes can be made by the general public
   - ❖ Source code is freely available
   - ❖ It is publicly available

16. Choose the major drawback of a closed source software
   - ❖ Not affordable by the user
   - ❖ Not customizable
   - ❖ Not freely available to download
   - ❖ Neither affordable, customizable, nor freely available for download

17. Example of a closed source software is _____
   - ❖ Linux
   - ❖ Windows OS
   - ❖ Chrome browser
   - ❖ Fedora

18. A uniform extension is software components is possible in ___ software.
   - ❖ Vender specific
   - ❖ Open source
   - ❖ Community source
   - ❖ Both open and closed

19. A socket on end-point is required only if
   - ❖ Processor tries to write on internal hard disk
   - ❖ Two processes communication over network
   - ❖ A process needs a resource
   - ❖ Process needs to access main memory

20. DWORD data type represents _____
   - ❖ 32 bit unsigned integer
   - ❖ 32 bit signed integer
   - ❖ 16 bit unsigned integer
   - ❖ 16 bit signed integer

21. A software or application can access any windows object _____
   - ❖ Directly
   - ❖ Directly and through API as well
   - ❖ Through API only
   - ❖ Not directly nor through API

22. Windows datatype LPTSTR
   - ❖ Long pointer to TSTR
   - ❖ Last pointer to TSTR
   - ❖ Last pointer to string

❖ Long pointer to STR

23. Each windows API has a _____ number of parameters.
   ❖ Fixed
   ❖ Two
   ❖ Variable
   ❖ Four

24. Which statement is true about a multi- threading process?
   ❖ A process has one or more threads
   ❖ A process has only one thread
   ❖ A thread has only one process
   ❖ A thread can be created without process

25. Windows supports both the 32 and 64-bit source code by _____
   ❖ Keeping separate API's for 32 and 64-bit code
   ❖ Converting 32-bit into 64-bit code
   ❖ Converting 64-bit into 32-bit code
   ❖ Keeping separate compilers for each hardware

26. Windows operating system keeps _____ version of each API
   ❖ Two
   ❖ One
   ❖ Complied
   ❖ Interpreted

27. Which statement is incorrect about the 32-bit source code?
   ❖ It runs on 64-bit hardware and can use its all features
   ❖ It has its own windows API
   ❖ It does not support large disk space
   ❖ It runs on 64-bit hardware

28. Choose the appropriate advantage of C source code that uses C standard function
   ❖ Can access advance windows features
   ❖ Portable source code
   ❖ Runs on windows platform only
   ❖ Runs without making system calls to windows API's.

29. Choose the correct option for a source code that uses only windows API instead of C library functions.
   ❖ Source code can only access some features of windows
   ❖ Source code will not remain portable
   ❖ Source code cannot be complied
   ❖ Source code is portable

30. Which statement is true about open () function in C?
   ❖ It opens the existing file and not exists it creats a new file

* It opens the file only writing
* It opens the file only reading
* It opens the file only existing

31. fopen() function in C returns _____ if the file is not successfully opened
   * Zero value
   * Point to a file
   * **NULL value**
   * Neither NULL nor Zero

32. Open file objects using C library functions are identified by _____
   * **Pointer to a file structure**
   * Buffer
   * Handle
   * Both buffer and handle

33. A successfully read using fread() function in C is indicated by a _____ return value.
   * **Non-negative**
   * Zero
   * Negative
   * Boolean

34. What the following C statement represents; FILE *ptr;
   * **Pointer to a file structure**
   * Pointer to a character
   * Pointer to a integer
   * Pointer to a binary number

35. Which statement is true about createfile() function
   * DWORD
   * **BOOL**
   * **HANDLE**
   * INT

36. The return type of readfile() and writefile() is
   * **It open the existing file or creating a new file**
   * It is not used for opening a file
   * It opens or create a file only for generic read
   * It opens or create a file only for generic write

37. LPWSTR stand for
   * Last pointer to wide string
   * **Long pointer to wind string**
   * Long pointer with string
   * Last pointer to string

38. The return type of malloc() function in C can be

- ❖ Pointer to allocate space or NULL
- ❖ Linked list
- ❖ NULL only
- ❖ An array

39. Which statement is correct about the convenience function?
    - ❖ It does not improve overall performance
    - ❖ It takes considerable time in execution
    - ❖ It performs a small task
    - ❖ A big task is performed a single API

40. UDF stands for
    - ❖ Universal driven format
    - ❖ Universal disk file
    - ❖ Universal driven file
    - ❖ Universal disk format

41. Which option is not related to the NT file system
    - ❖ Compression
    - ❖ Encryption
    - ❖ File size limitation
    - ❖ Fault tolerance

42. Which feature of NTFS related to data security?
    - ❖ Large file name mechanism
    - ❖ Encryption
    - ❖ File allocation table
    - ❖ Compression

43. Keeping in view the support for huge fole size, which file system is more favorable?
    - ❖ NTFS
    - ❖ FAT16
    - ❖ FAT32
    - ❖ FAT8

44. NTFS stand for _____
    - ❖ New trend file system
    - ❖ New technology file system
    - ❖ New trend for system
    - ❖ New technology for system

45. Which special symbol can be used in windows filename?
    - ❖ Pipe
    - ❖ Forward slash
    - ❖ Backward slash
    - ❖ Underscore

46. The path name of a remote resource of server starts with _____ symbol.
    - ❖ Forward slash
    - ❖ Pipe
    - ❖ **Double back slash**
    - ❖ Black slash

47. In the windows file system, which symbol can be used as a path separator?
    - ❖ Pipe symbol
    - ❖ Back slash only
    - ❖ **Both forward and backward**
    - ❖ Forward slash only

48. The file extension usually contains _____ characters.
    - ❖ 5 to 8
    - ❖ **2 to 4**
    - ❖ 1 to 2
    - ❖ 1 to 3

49. In windows file system, the extension and file name is separated by _____.
    - ❖ |
    - ❖ **Dot(.)**
    - ❖ \
    - ❖ /

50. The name of windows API used for opening and creating a new file is
    - ❖ **CreateFile()**
    - ❖ OpenFile()
    - ❖ CreateopenFile()
    - ❖ ReopenFile()

51. The return type of create file() function is.
    - ❖ NULL
    - ❖ **A handle to an open file or INVALID_HANDLE_VALUE**
    - ❖ INVALID_HANDLE_VALUE
    - ❖ Always handle to run open file object

52. In FILE_SHARE_READ mode, the file is shared for _____
    - ❖ Concurrent read and write by multiple process
    - ❖ Concurrent read and write by a single process
    - ❖ Concurrent read by single process
    - ❖ **Concurrent read by multiple process**

53. In the createfile() function, if the same name file already exists when the attributes, create, Always is used to
    - ❖ Delete the existing file and create a new file
    - ❖ Delete the existing file

- ❖ Over write an existing file
- ❖ Create an existing file

54. In the createFile() function, which statement is true about open-existing attribute if the file does not exist.
- ❖ It will create an existing file
- ❖ It will open some other file insteated of specified file
- ❖ It will fail to open the new file
- ❖ It will create a new file

55. The windows API _____ used to read data from a file and store it in a buffer.
- ❖ Create File()
- ❖ Copy file()
- ❖ Read file()
- ❖ Write file()

56. If the file is not opened in concurrent mode, then ReadFile() API. ReadFile()API starts reading from the _____
- ❖ Backup file
- ❖ Start file
- ❖ End of file
- ❖ Current file

57. If we want to read 1000 bytes from a file with ReadFile() function but there are actually only 400 bytes in a file then _____
- ❖ Read operation will fail
- ❖ 400 bytes will be read
- ❖ 1000 bytes will be read
- ❖ Exception will be thrown

58. The windows API _____ is used to write data from a better and store it in a file
- ❖ Create file
- ❖ Copy file
- ❖ Read file
- ❖ Write file

59. The return type of writeFile() function is
- ❖ BOOL
- ❖ DWORD
- ❖ LPDWORD
- ❖ LPOVERLAPPED

60. It an invalid file handle is passed as a parameter to the closeFile() function, then it will return _____
- ❖ 1
- ❖ Empty string

* File handle
* <mark>False value</mark>

61. A Unicode word consists of _____ bits
* 24
* <mark>32</mark>
* 16
* 8

62. In Unicode formate, _____ number of character can be encoded.
* 2^{10}
* 2^8
* 2^{32}
* <mark>2^{16}</mark>

63. The latest version of windows supports _____ standard.
* ASCII
* Unicode
* Scan codes
* <mark>Both ASCII and Unicode</mark>

64. TCHAR is a/ an _____ type variable.
* ASCII
* <mark>Generic</mark>
* Unicode
* Both ASCII and Unicode

65. _stprintf() is a/ an _____ c library function.
* <mark>Both ASCII and Unicode</mark>
* Generic
* Unicode
* ASCII

66. _tcscmp() is _____ function to compare the string
* An ASCII
* A Unicode
* Not a generic
* <mark>A generic</mark>

67. Which one is the correct definition of generic main() function?
* <mark>Int-main</mark>
* Int main
* Int   main
* Int_main

68. All generic data types are include ____ header file.
* <mark><tchar.h></mark>

❖ <string.h>
❖ <windows.h>
❖ <char.h>

69. All generic functions are include in _____ header file
   ❖ <string.h>
   ❖ <windows.h>
   ❖ <char.h>
   ❖ <tchar.h>

70. TextOutW() is _____ bit API and it supports ____ standard.
   ❖ 32,Generic
   ❖ 32,ASCII
   ❖ 32,Unicode
   ❖ 16,Unicode

71. The standard C library function atio() supports _____
   ❖ Generic code
   ❖ Unicode
   ❖ 128-bit character code
   ❖ 8-bit character code

72. To switch between 8-bit character code and standard Unicode ____ functions and data type are required.
   ❖ Generic
   ❖ Non-generic
   ❖ Unicode
   ❖ 8-bit

73. Developing generic code needs extra effort but provides maximum ____
   ❖ Productivity
   ❖ User-friendly look
   ❖ Chance of errors
   ❖ Flexibility

74. What is the return value of GetlastError() function?
   ❖ It returns error code for last error
   ❖ It returns a formatted message for last error
   ❖ It takes input message from user and returns
   ❖ It returns error message for the last error

75. Which windows API is used to return a system error code?
   ❖ Geterror()
   ❖ Format message ()
   ❖ Get last error()
   ❖ Both geterror() and format Message()

76. Which header file includes all the Unicode macros for setting environment of a program?
   - ❖ <everything.h>
   - ❖ <environment.h>
   - ❖ <tchar.h>
   - ❖ <windows.h>

77. There are _____ number of standard I/O devices in a windows system.
   - ❖ Five
   - ❖ Three
   - ❖ Two
   - ❖ Four

78. In a windows system, input _____ and _____ are three standard I/O devices.
   - ❖ Error, correction
   - ❖ Output, display
   - ❖ Display, error
   - ❖ Output, error

79. On execution, HANDLE_GetstHandle(DWORDnst Handle) will return a valid handle in case of
   - ❖ Passing invalid parameters
   - ❖ Success
   - ❖ Exception
   - ❖ Failure

80. STD_INPUT_HANDLE macro contains a variable, CONIN$,which is a/an _____.
   - ❖ Input variable
   - ❖ Default variable
   - ❖ Environment variable
   - ❖ Console variable

81. STD_OUTPUT_HANDLE contains _____ as an environment variable.
   - ❖ CONIN$
   - ❖ CONOUT$
   - ❖ CONPRNT$
   - ❖ CONDIS$

82. Option () function takes _____ parameters.
   - ❖ 3
   - ❖ 4
   - ❖ 5
   - ❖ Variable

83. Catfile() function takes _____ parameters.
   - ❖ 3
   - ❖ 5

- ❖ 4
- ❖ **2**

84. _____ empire is considered to be pioneers of encryption as they used basic encryption algorithms to encrypt secret conversation in a war.
    - ❖ Persian
    - ❖ Chines
    - ❖ **Roman**
    - ❖ Mughal

85. Roman empire use _____ algorithm to encrypt secret conversation.
    - ❖ CTR
    - ❖ **Ceaser cipher**
    - ❖ Brute force
    - ❖ Cryto graph

86. The text that we are going to encrypt is called _____ test so it is denoted by
    - ❖ Personal, p
    - ❖ Secret, w
    - ❖ Proposed, p
    - ❖ **Plain, p**

87. We represent that text by the symbol _____ in the encryption formula.
    - ❖ E
    - ❖ B
    - ❖ A
    - ❖ **C**

88. The formula of ceaser chopper is _____
    - ❖ $C = (E + W) mod 26$
    - ❖ $E = (P + n) mod 27$
    - ❖ $E = (D + n) mod 27$
    - ❖ **$C = (P + n) mod 26$**

89. We use MoveFileEx() to _____ the existing file
    - ❖ Copy
    - ❖ Rename
    - ❖ **Over write**
    - ❖ Delete

90. Which statement is true about hard copy function?
    - ❖ Both the files must not be on same system volume.
    - ❖ Both the files must be in encrypted form
    - ❖ Creates a hard link for copy file
    - ❖ **Security attributes will apply on new file name**

91. deleteFile() function takes _____ parameter.

❖ 4
❖ 1
❖ 2
❖ 3

92. Which of the following API is used for coping a file?
   ❖ CopyFile(LPCTSTRIPExistingFileName,LPCTSTR   IPNewFileName,   bool bfailExists);
   ❖ Char   CopyFile(LPCTSTRIPExistingFileName,LPCTSTR   IPNewFileName,   bool bfailExists);
   ❖ Bool   CopyFile(LPCTSTRIPExistingFileName,LPCTSTR   IPNewFileName,   bool bfailExists);
   ❖ String   CopyFile(LPCTSTRIPExistingFileName,LPCTSTR   IPNewFileName,   bool bfailExists);

93. Correct syntax of MoveFile() function is _____
   ❖ Bool Move (LIPCTSTR lpNewName, LPCTSTR lpExistingFileName);
   ❖ Bool Move (LIPCTSTR lpNewName, LPCTSTR lpNewFileName);
   ❖ Bool MoveFile (LIPCTSTR lpNewName, LPCTSTR lpExistingFileName);
   ❖ Bool Move (bool lpNewName, LIPCTSTR LPCTSTR lpExistingFileName);

94. RemoveDirectory() function takes _____ parameter(s)
   ❖ 1
   ❖ 4
   ❖ 3
   ❖ 2

95. Set currentDirectory() function takes _____ parameter(s)
❖   2
❖   1
❖   4
❖   3

96. Return type of GetcurrentDirectory() function is ()
   ❖ Int
   ❖ Bool
   ❖ String
   ❖ DWORD

97. createDirectory() function takes _____ parameter(s)
   ❖ 4
   ❖ 3
   ❖ 1
   ❖ 2

98. deleteFiles() function takes _____ parameter(s)

- ❖ 1
- ❖ 4
- ❖ 3
- ❖ 2

99. Return type of printMsg() function is _____
- ❖ DWORD
- ❖ CHAR
- ❖ **BOOL**
- ❖ WORD

100. Return type of printString() function is _____
- ❖ DWORD
- ❖ CHAR
- ❖ **BOOL**
- ❖ WORD

101. Correct syntax for create console input file is
- ❖ hln = createFile(_T("CONOUT$"), GENERIC_READ&NULL, OPEN_ALWAYS, FILE_ATTRIBURT_NORMALNULL);
- ❖ hln = createFile(_T("CONOUT$"), GENERIC_READ,1 GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBURT_NORMALNULL);
- ❖ **hln = createFile(_T("CONIN$"), GENERIC_READ,1 GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBURT_NORMALNULL);**
- ❖ prohln = createFile(_T("CONIN$"), GENERIC_READ,1 GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBURT_NORMALNULL);

102. consoleprompt() function takes _____ parameter(s)
- ❖ 2
- ❖ 3
- ❖ 5
- ❖ **4**

103. Current syntax of Get currentDirectort() function is _____
- ❖ **lencurDir =GetcurrentDirectory(DIRNAME_LEN,PwdBuffer);**
- ❖ lencurDir =GetcurrentDirectory(DIRNAME_LEN);
- ❖ lencurDir =GetcurrentDirectory(DIRNAME_LEN);
- ❖ lencurDir =GetcurrentDirectory(PwdBuffer);

104. Get currentDirectory() function takes _____ parameter(s)
- ❖ **2**
- ❖ 3
- ❖ 5

❖ 4

105. Return type of prontMsg() function is _____
   ❖ WORD
   ❖ **BOOL**
   ❖ CHAR
   ❖ DWORD

106. Get Directory() function takes _____ parameter(s)
   ❖ **2**
   ❖ 3
   ❖ 5
   ❖ 4

107. In NTPS based system _____ is the maximum allowed size for a single file
   ❖ 2^8
   ❖ 2^{32}
   ❖ 2^{16}
   ❖ **2^{64}**

108. FAT 32 based system _____ is the maximum allowed size for a single file
   ❖ 2^8
   ❖ **2^{32}**
   ❖ 2^{16}
   ❖ 2^{64}

109. setFilepointer() function takes _____ parameter(s)
   ❖ 2
   ❖ 3
   ❖ 5
   ❖ **4**

110. PLONG is a _____
   ❖ **Pointer to a long variable**
   ❖ String
   ❖ Variable
   ❖ Pointer to a string

111. Return type of setFilePointerEx() is _____
   ❖ String
   ❖ **Bool**
   ❖ Word
   ❖ DWORD

112. In setfilepointer() function, lpNewFilePointer parameter is placed is a/an
   ❖ Handle
   ❖ **PLARGE_INTEGER**

- ❖ DWORD
- ❖ LARGE_INTEGER

113.   In setFilePoiter() function, distance to move parameter is placed in
- ❖ DWORD
- ❖ Handle
- ❖ PLARGE_INTEGER
- ❖ <mark>LARGE_INTEGER</mark>

114.   There are _____ components of a LARGE integer
- ❖ <mark>2</mark>
- ❖ 3
- ❖ 4
- ❖ 5

115.   In the Overlapped structure, ULONG_PTR internal is a _____field.
- ❖ DWORD
- ❖ Integer
- ❖ Pointer
- ❖ <mark>Reserved</mark>

116.   Overlap structure is a structure which is defined in the _____ header file
- ❖ <mark>Window.h</mark>
- ❖ Stdary.h
- ❖ Everything.h
- ❖ Stdio.h

117.   In the overlapped structure the data type of ofsetand offsethigh is
- ❖ <mark>DWORD</mark>
- ❖ WORD
- ❖ INT
- ❖ BOOL

118.   EOF is short form of_____
- ❖ Erase of file
- ❖ <mark>End of file</mark>
- ❖ End of folder
- ❖ Erase of folder

119.   Return types of getfilesizeEx() is_____
- ❖ <mark>Bool</mark>
- ❖ Char
- ❖ Int
- ❖ DWORD

120.   To reduce the filesize we use _____ windows API.
- ❖ Setfilesize()

- ❖ Changefilesize()
- ❖ SetendoffileEx()
- ❖ setfileEx()

121. File size cn be obtained using the _____ windows API.
- ❖ GetFileSizwEx()
- ❖ FileSizeExGet()
- ❖ GetFileSize()
- ❖ FileSize()

122. In the RECORD structure, datatype of numRecord is _____
- ❖ DWORD
- ❖ BOOL
- ❖ Double
- ❖ Int

123. In the RECORD structure, datatype of numNonemptyRecord is _____
- ❖ DWORD
- ❖ BOOL
- ❖ Double
- ❖ Int

124. What will be next code statement, if the following if statement id true? If (!setFilePointer Ex(nfilecurrentptr, NULL,FILE_BEGIN))
- ❖ RepotError(_T("RecordAccessError: writeFile header".)4,TRUE);
- ❖ RepotError(_T("RecordAccessError: writeFile header".)6,TRUE);
- ❖ RepotError(_T("RecordAccessError: setpointer".)4,TRUE);
- ❖ RepotError(_T("RecordAccessError: set End of File".)5,TRUE);

125. What will be next code statement, if the following if statement is true? If (!readFile(hFile& header, size of(Header),&nXfer,&ovzero))
- ❖ ReportError (_T("RecordAccessError:set End of File."),5,TRUE);
- ❖ ReportError (_T("RecordAccessError:set pointer."),4,TRUE);
- ❖ ReportError (_T("RecordAccessError:write File header."),4,TRUE);
- ❖ ReportError (_T("RecordAccessError:readFile header."),6,TRUE);

126. During searching files/folders, a data structure _____ is used to store the information about a found file or directory
- ❖ Directory -64
- ❖ Attribute
- ❖ Directory -32
- ❖ WIN32_FIND DATA

127. What will be next code statement, if the following if statement is true? If (!writeFile(hFile& header, size of(Header),&nXfer,&ovzero))

❖ ReportError (_T("RecordAccessError:set End of header."),6,TRUE);

❖ ReportError (_T("RecordAccessError:set pointer."),4,TRUE);

❖ ReportError (_T("RecordAccessError:write File header."),5,TRUE);

❖ ReportError (_T("RecordAccessError:readFile header."),4,TRUE);

128.   The number of arguments required for Findclose()API is ____

❖ 3

❖ 1

❖ 2

❖ 0

129.   The field flastAccessTime in a WIN32-FIND-DATA structure is used to represent a time when a file was _____ time accessed

❖ Closing

❖ Last

❖ First

❖ Second ;last

130.   Using GetFileTime() API argument(s) is/are provided.

❖ Both creation and last access time

❖ Only last access time

❖ Creation, last access and last write time

❖ Only creation time

131.   GetFileAttribute() API need ____ argument(s) to return the attributes of a file or directory

❖ 1

❖ 2

❖ 3

❖ 0

132.   compareFileTime() API returns _____ if both the file time are equal

❖ 0

❖ 2

❖ 1

❖ -1

133.   Which option is incorrect when the traverseDirectory() API is required to be use?

❖ It allow non-recursive traversal

❖ Recursive and non-recursive traversal option is irrelevant

❖ It allows recursive traversal

❖ It allows both non- recursive and recursive traversal

134.   Which of the following is not an argument of the traverse Directory() API

❖ Option for simple listing or recursive processing

❖ Search pattern

- ❖ Parent path
- ❖ File creation time

135. Temporary files are assigned an extension _____ and they are used to store _____
- ❖ .temp,final result
- ❖ .tmpe,intermediate result
- ❖ .tmp,intermediate result
- ❖ .com,intermediate result

136. _____ is not a value argument for setFiletime() function
- ❖ pModifyTime
- ❖ NULL
- ❖ _T(ame)
- ❖ _P(accesstime)

137. SetFileTime() function takes a total of arguments.
- ❖ 3
- ❖ 5
- ❖ 4
- ❖ 2

138. GetsystemTimeAsFiletime() function receive _____ as an argument.
- ❖ File array
- ❖ File pointer
- ❖ File handle
- ❖ File objects

139. Which of the following is not a correct argument of options() function
- ❖ Argc
- ❖ Argv
- ❖ _T(amg)
- ❖ _T(amc)

140. The fseek() C library function uses _____ bit file position
- ❖ 8
- ❖ 16
- ❖ 32
- ❖ 64

141. For file processing windows provides a propriating function called_____
- ❖ Pseek64()
- ❖ Fseek()
- ❖ Fseek64()
- ❖ Pseek()

142. In MicrosoftUNIX library, all I/O function are named with _____ prefix.
- ❖ Semicolon

❖ Dot
❖ **Underscore**
❖ Colon

143. In lockFileEx() function, the OVERLAPPED data structure contains _____ data members.
❖ **3**
❖ 5
❖ 2
❖ 4

144. File lock can be _____ or _____
❖ Read-only, write-only
❖ Read-only, write-only
❖ Read-locked, write only
❖ **Read-only, read-write**

145. The read operation does not conflict with the _____
❖ **Existing shared lock**
❖ Remove operation
❖ Write operation
❖ Existing exclusive lock

146. Before encountering a/an _____ lock, the read or write operation can complete its request partially
❖ Exclusive lock
❖ Shared lock
❖ Mutually exclusive lock
❖ **Conflicting lock**

147. If process-A has a shared lock on a file, and process-B tries to read without a shared lock then the read attempt will _____
❖ Return exception
❖ **Succeed**
❖ Return a shared lock
❖ Fail

148. UNIX system stores information in _____ directory similar to the registry entry
❖ **/etc**
❖ /reg
❖ /key
❖ /root

149. Programmers usually access windows build number through _____
❖ Web sockets
❖ Web API

- ❖ RESI API
- ❖ **Windows API**

150. Information about _____ is not present in the registry file.
- ❖ **Power supply**
- ❖ Chipset
- ❖ Memory
- ❖ Processor

151. _____information is present in the registry HKEY_CURRENT_CINFIG.
- ❖ **Display resolution**
- ❖ Process make
- ❖ Display size
- ❖ Memory amount

152. The registry HKEY_CURRENT_USER does not contain _____ information.
- ❖ **System fonts**
- ❖ Printers
- ❖ Environment variable
- ❖ Application preferences

153. The registry HKEY_LOCAL_MACHNE stores _____ information about the machine
- ❖ **Physical**
- ❖ Private
- ❖ Protected
- ❖ Logical

154. _____function enumerates subkey names of an open registry key.
- ❖ RegEnumKey()
- ❖ RegOpenKey()
- ❖ RegOpenKeyEx()
- ❖ **RegENUMKeyEx()**

155. The RegOpenKeyEx() function opens a named_____
- ❖ Instance
- ❖ **Sub key**
- ❖ Key
- ❖ List

156. The function RegCreateKeyEx() ha _____ parameters.
- ❖ 8
- ❖ 7
- ❖ **9**
- ❖ 6

157. Is Reg() function processes registry keys rather than _____ and _____

- ❖ Key-value pairs, files
- ❖ Key-value pairs, properties
- ❖ Directories, key-value pairs
- ❖ Directories, files

158. RegSetvalueEx() function is used to set the data of a _____ value.
- ❖ Final
- ❖ Fixed
- ❖ Named
- ❖ Static

159. The exception could occur within a _____ embedded in the try block.
- ❖ List
- ❖ Function
- ❖ Constructor
- ❖ Block

160. If filter_expression returns _____ then windows ignores the exception handler and searches for an exception handler in the enclosing block.
- ❖ EXCEPTION_SKIP_EXECUTION
- ❖ EXCEPTION_CONTINUE_SEARCH
- ❖ EXCEPTION_CONTINUE_EXECUTION
- ❖ EXCEPTION_SKIP_SEARCH

161. If the filter-expression was set to continue the execution but it is not possible to continue, then _____ exception code will be returned.
- ❖ EXECUTION-NONCONTINUABLE-EXCEPTION
- ❖ EXECUTION-NONCONTINUABLE-EXECUTION
- ❖ EXECPTION-NONCONTINUABLE-EXCEPTION
- ❖ EXECPTION-NONCONTINUABLE-EXCUTION

162. _____ exception code is returned if the process attempts to read or write a virtual address for which it has no access rights
- ❖ EXCEPTION-INTEGERS-VOILATION
- ❖ EXCEPTION-INTEGERS-BREACH
- ❖ EXCEPTION-ACCESS-VOILATION
- ❖ EXCEPTION-INTEGERS-BREACH

163. SHE is not supported through_____
- ❖ Run time support
- ❖ Windows function
- ❖ Compiler supported language extensions
- ❖ Windows registry

164. The filter-expression in the _____ clause is evaluated immediately after the exception occurs.

- ❖ -try
- ❖ -catch
- ❖ **-except**
- ❖ -finaly

165. The value of the _____ determine actions that follow
- ❖ Filter-except
- ❖ **Filter-expression**
- ❖ Filter-try
- ❖ Filter-search

166. _____ function is used to clear clearfp().
- ❖ _clear()
- ❖ **_clearfp()**
- ❖ _clean()
- ❖ _cls()

167. Programs can raise their own exception using the_____ function
- ❖ BuildException
- ❖ **RaiseException**
- ❖ Createexception
- ❖ GenException

168. RaiseException has _____ parameters.
- ❖ **4**
- ❖ 2
- ❖ 5
- ❖ 3

169. The exception handler is actually a code portion associated with _____ block.
- ❖ -finally
- ❖ -try
- ❖ **-except**
- ❖ -catch

170. The new value of floating point mask is determined by its value _____ and its two arguments.
- ❖ Current-value
- ❖ C-value
- ❖ **Current-mask**
- ❖ Current-val

171. The _____ function terminates the process if the program indicates that the error is fatal.
- ❖ Report handle()
- ❖ Terminate handle()

- ❖ Terminate process()
- ❖ Report error()

172.   SIGSEGV error can only be generated bt _____ but not by _____
- ❖ Windows, Raise
- ❖ Linux, macos
- ❖ Windows, linux
- ❖ Raise windows

173.   A single try block must have a single _____ or _____ block
- ❖ Terminate, Except
- ❖ Finally, Except
- ❖ Finally, continue
- ❖ Terminate, finally

174.   _____ function is used within the termination handle to check how the try block is terminated
- ❖ Check termination()
- ❖ Check handle()
- ❖ Check termination
- ❖ Abnormal termination

175.   ReportException() function have _____ arguments.
- ❖ 3
- ❖ 4
- ❖ 2
- ❖ 5

176.   Second arguments of ReportException()function is _____
- ❖ Exception code
- ❖ Exception handle
- ❖ Exception address
- ❖ Exception name

177.   The process or thread can terminate itself using _____ or ___ functions.
- ❖ Terminate process(), Exist thread()
- ❖ Terminate process(), Terminate thread()
- ❖ Exist process(), Exist thread()
- ❖ Exist thread(), Terminate thread()

178.   The termination handler cannot axecute the_____ statement
- ❖ Break
- ❖ Report
- ❖ Continue
- ❖ Retur

179.   C ++ execution handling is implemented using_____

- ❖ SCH
- ❖ ECH
- ❖ ESH
- ❖ SEH

180.   A filter function _____ the type of n exception.
- ❖ Restrick
- ❖ Evaluates
- ❖ Exclude
- ❖ Identifies

181.   The _____ exception are enabled with the help of controlfp() function
- ❖ Floating point
- ❖ String
- ❖ Mutex
- ❖ Integer

182.   ecategory is a/an _____
- ❖ Reference variable
- ❖ Simple variable
- ❖ Class
- ❖ Pointer

183.   Which of the following in the number of parameters takes by controlpf() function
- ❖ 3
- ❖ 4
- ❖ 1
- ❖ 2

184.   Which of the following in the number of parameters takes by filter function
- ❖ 1
- ❖ 2
- ❖ 3
- ❖ 4

185.   Which of the following instruction is used to suspend the execution of a program for 5 milliseconds?
- ❖ Sleep(500)
- ❖ Sleep(5000)
- ❖ Sleep(5)
- ❖ Sleep(0.5)

186.   Which of the following functions is used to generate a sound beep for 0.7 seconds with the frequency if 750?
- ❖ Beep (750,800)
- ❖ Beep(700,750)

❖ Beep(750,700)
❖ Beep(750,0.7)

187. A program can be terminated by passing_____ from keyboard
❖ Ctrl +p
❖ Ctrl +N
❖ Ctrl +C
❖ Ctrl +Z

188. The return type of WINAPI Handler() function if _____
❖ Void
❖ Static integer
❖ Static bool
❖ Static float

189. #include<io.h> is used for _____
❖ Input output operation
❖ Working in CLI
❖ Memory allocation
❖ Multitasking

190. Windows OS keeps_____ version of each API.
❖ One
❖ Interpreted
❖ Two
❖ Complier

191. The options function have _____ arguments
❖ 5
❖ 4
❖ 7
❖ 6

192. If invalid file handle is passed as a parameter to the closeFile API, then it will return_____
❖ Empty string
❖ 1
❖ File handle
❖ False value

193. _tcscmp() is _____ function to compare the strings.
❖ A generic
❖ An ASCII
❖ Not a generic
❖ A Unicode

194. There are _____ number of standard input out devices.

- ❖ 3
- ❖ 5
- ❖ 4
- ❖ **2**

195. Every lockfileEx() function that is successful must be followed by a call to
_____

- ❖ DeletelockEx()
- ❖ RemovelockEx()
- ❖ UnlatchlockEx()
- ❖ **UnclockfileEx()**

196. Try and catch keywords _____ required for vectored exception handlers.

- ❖ **Are not**
- ❖ Are
- ❖ Must be
- ❖ Are accasionally

197. In the context of vectored exception handling the zero value of firsthandler parameters shows that the handler being used wil be the _____ one to execute.

- ❖ **Third**
- ❖ Last
- ❖ Second
- ❖ First

198. In the vectored exception handler, the value of firsthandler parameter specific the _____ in which the handler will execute.

- ❖ **Order**
- ❖ Speed
- ❖ **Allocation of stack**
- ❖ Accuracy

199. Windows checks for a vectored exception handler at the _____ place when a vectored is set up followed by unwinding the stack.

- ❖ Second
- ❖ Third
- ❖ **First**
- ❖ Fourth

200. In the context of vectored exception handling the non-zero value of firsthandler parameters shows that the handler being used wil be the _____ one to execute.

- ❖ Third
- ❖ Last
- ❖ Second
- ❖ **First**

201. Which of the following is a dynamic data structure
   - ❖ Circular array
   - ❖ **Array**
   - ❖ Tree
   - ❖ Union

202. Identify the advantages provided by memory mapped files.
   - ❖ Convenience, collision, octection and memory sharing
   - ❖ Exception handling, speed and memory sharing
   - ❖ Convenience, speed and usability
   - ❖ **Convenience, speed and memory sharing**

203. Windows mainly uses _____ API.
   - ❖ 4
   - ❖ **2**
   - ❖ 3
   - ❖ 1

204. In win32_____ of the virtual space is accessible to a process and the remaining space is utilize by the system for other tasks
   - ❖ One quarter
   - ❖ **Half**
   - ❖ Two third
   - ❖ Three quarter

205. The virtual space of process _____ be larger than the physical memory space.
   - ❖ Should always
   - ❖ Cannot
   - ❖ Must
   - ❖ **May**

206. Which of the following occurs as a result of excessive page fault in
   - ❖ **Decreased system performance**
   - ❖ Increased utilization of I/O ports
   - ❖ Decreased utilization of I/O ports
   - ❖ Increased system performance

207. When the required page is not in the memory then a _____ occurs.
   - ❖ **Page fault**
   - ❖ Dirty frame
   - ❖ Page error
   - ❖ Frame fault

208. The translation of a virtual address int physical address is managed by the _____
   - ❖ **Offset addressing**
   - ❖ Operating system

❖ Device driver
❖ Transport layers

209. Pages are swapped in and out when a_____ occurs.
❖ **Page fault**
❖ Frame fault
❖ Page error
❖ Dirty frame

210. Which of the following is a dynamic data structure.
❖ Circular array
❖ **Tree**
❖ Union
❖ Array

211. A process can have _____ heap(s).
❖ Only once
❖ Only two
❖ **Many**
❖ At the most two

212. When a fixed size data structure is allocated from a single heap, it reduces_____
❖ **Fragmentation**
❖ Errors
❖ Memory density
❖ Throughput

213. The heapReAlloc() API has _____ parameter(s).
❖ **4**
❖ 1
❖ 3
❖ 2

214. The heapAlloc() API has _____ parameter(s).
❖ **3**
❖ 4
❖ 2
❖ 1

215. When a heap (logical structure) is created the memory is _____ allocated at the program.
❖ Partially
❖ Completely
❖ **Not directly**
❖ Directly

216. _____ are the APIs for heap memory allocation.

- ❖ Heapcreate ()and HeapRealloc()
- ❖ Allocheap () and HeapRealloc()
- ❖ **HeapAlloc() and HeapRealloc()**
- ❖ HeapAlloc() and HeapRealloc()

217. For a non growable heap, the value of dwbytes in heap memory alloction is

_____

- ❖ 0*7FEE8
- ❖ 0*7FDD8
- ❖ 0*AAAA8
- ❖ **0*7FFF8**

218. _____ is the first step to allocate heap in a program.
- ❖ HeapDestroy()
- ❖ HeapFree()
- ❖ Release and handle
- ❖ **Get heap handle**

219. The function heapSize() returns the size of a block, or _____ in case failure.
- ❖ NULL
- ❖ 1
- ❖ -1
- ❖ **0**

220. _____ is used to deallocate the entire heap.
- ❖ **HeapDestroy()**
- ❖ HeapFree()
- ❖ HeapTruncate()
- ❖ HeapDelete()

221. Sorting is performed in the _____
- ❖ RootHeap
- ❖ RecHeap
- ❖ ProcHeap
- ❖ **NodeHeap**

222. _____ stores the root address.
- ❖ RootHeap
- ❖ RecHeap
- ❖ **ProcHeap**
- ❖ NodHeap

223. The NodeHeap maintains a _____
- ❖ Data
- ❖ **Data structure**
- ❖ Record

❖ Root

224. There are _____ parameters taken by the HeapCreate() API.
   ❖ **3**
   ❖ 4
   ❖ 2
   ❖ 1

225. Which of the following is the correct windows API for accessing heap?
   ❖ INT GetProcessHeap(VOID)
   ❖ **VOID GetProcessHeap(HANDLE)**
   ❖ HANDLE GetProcessHeap(VOID)
   ❖ INT*GetProcessHeap(VOID)

226. When a fixed size data structure is allocated from a single heap, it reduces _____
   ❖ Memory density
   ❖ Errors
   ❖ Throughput
   ❖ **Fragmentation**

227. The parameters "flOption" in the HeapCreate() API is a combination of _____ flafs.
   ❖ 1
   ❖ 2
   ❖ 4
   ❖ **3**

228. In order to make a program more efficient, _____ heap(s) may be required
   ❖ Several
   ❖ **Only one**
   ❖ Partial
   ❖ Minimum number of

229. While using CreateFileMapping(), _____ allow the mapping object to be secured.
   ❖ INVALID_VALUES
   ❖ PSECURITY_ATTRIBUTES
   ❖ LPSECURITY_ATTRIBUTES
   ❖ **INVALID_HANDLE_VALUES**

230. While using CreateFileMapping(), _____refers to the paging file.
   ❖ INVALID_VALUES
   ❖ **PSECURITY_ATTRIBUTES**
   ❖ LPSECURITY_ATTRIBUTES
   ❖ INVALID_HANDLE_VALUES

231. While using CreateFileMapping(),setting lpMapName to _____ disables the map sharing.
 ❖ -1
 ❖ NULL
 ❖ **0**
 ❖ 1

232. _____ is the API for file mapping objects.
 ❖ Create_File_Mapping()
 ❖ **CreateFileMapping()**
 ❖ FileCreateMapping()
 ❖ MakeFileMapping()

233. Which of the following are the number of parameters taken by CreateFileMapping()?
 ❖ **7**
 ❖ 6
 ❖ 5
 ❖ 4

234. The _____-- flag is set to be_____ in the CreateProcess() function, which will determine whether child process will inherit copies of parent open handles.
 ❖ blanheritFlag, TRUE
 ❖ blnheritHandles, FALSE
 ❖ blanheritFlag,FALSE
 ❖ **bInheritHandles, TRUE**

235. IPC stands for_____.
 ❖ Information and privacy communication
 ❖ Inter privacy communication
 ❖ Information process communication
 ❖ **Inter Process Communication**

236. Inherited handles are _____ copies that a parent and child might be accessing.
 ❖ Connected
 ❖ Similar
 ❖ related
 ❖ **Distinct**

237. Process IDs are always _____.
 ❖ Frequent
 ❖ Repeated
 ❖ Constant
 ❖ **Unique**

238. The process obtains environment and other information from_____ call.

- ❖ CreateThread()
- ❖ GetEnvironmentinfo()
- ❖ Getinfo()
- ❖ **CreateProcess()**

239. lpApplicationName handle's value_____ be NULL.
- ❖ May not
- ❖ May
- ❖ should
- ❖ **Should not**

240. In windows there are _____ ways to get command line parameters for a process.
- ❖ Five
- ❖ Four
- ❖ **Two**
- ❖ Three

241. Windows OS does not have structure that keeps track record of the _____ processes.
- ❖ Child
- ❖ Grand –child
- ❖ Parent
- ❖ **Parent_Child**

242. The most fundamental process management function in windows is CreateProcess() that has_____--- parameters.
- ❖ 12
- ❖ 6
- ❖ 4
- ❖ **Ans: 10**

243. The process can share memory and files but the process itself lie an individual _____ memory space .
- ❖ Non_volatile
- ❖ Physical
- ❖ permanent
- ❖ **Virtual**

244. Thread Local Storage (TLS) is an array of collection of pointers enabling a thread to _____ storage to create its unique data environment.
- ❖ De-allocate
- ❖ Clear
- ❖ Re-allocate
- ❖ **Allocate**

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245. Each thread has its own_____.
   - ❖ TLS
   - ❖ Environment Block
   - ❖ Stack
   - ❖ **TLS and Stack**

246. The process of DLL detachment in explicit linking is invoke by_____ function call.
   - ❖ Free()
   - ❖ freeLib()
   - ❖ Flibra
   - ❖ **FreeLibrary()**

247. Information regarding DLLs is placed in the _____data structure.
   - ❖ dwBuilderNumber
   - ❖ dwPlatform
   - ❖ MAJORVERSION
   - ❖ **Ans:DLLVERSION**

248. LoadLibrary() and LoadLibraryEx() should never be called from_____ as it will create more DLL entry Points.
   - ❖ ThreadLibrarycalls()
   - ❖ DllMinFunc()
   - ❖ DisableThreadLibraryCalls()
   - ❖ **DllMain()**

249. LoadLibraryEx() can suppress the execution of entry point, in _____-- linking of DLL.
   - ❖ Implicit
   - ❖ Static
   - ❖ Dynamic
   - ❖ **Explicit**

250. "Application that require newer updated functionality may sometime link with older DLL version". This statement refers to _____ of DLL versioning
   - ❖ Strength
   - ❖ Advantages
   - ❖ Caution
   - ❖ **Ans: Problem**

251. If entry point of DLL is not specified, then it is an example of _____-- linking.\
   - ❖ Explicit
   - ❖ Dynamic
   - ❖ Hard
   - ❖ **Implicit**

252. In case of_____ linking the DLL attaches at the time of process start and detaches when process ends
- ❖ Explicit
- ❖ Dynamic
- ❖ Hard
- ❖ <mark>Implicit</mark>

253. Explicit linking requires the program to explicitly specify the DLL to be _____.
- ❖ Freed
- ❖ Loaded
- ❖ Loaded and freed
- ❖ <mark>Ans: Loaded or freed</mark>

254. In a pointer function declaration for DLL explicit linking, HMODULE is NULL in case of_____.
- ❖ Execution
- ❖ Waiting
- ❖ success
- ❖ <mark>Failure</mark>

255. Once the DLL is loaded, the programmer needs to obtain _____ into the DLL for an entry point.
- ❖ Dynamic address
- ❖ Physical address
- ❖ Bus address
- ❖ <mark>Procedure Address</mark>

256. We write and _____ function in DLL and invoke them explicitly
- ❖ Compile
- ❖ Encrypt
- ❖ decrypt
- ❖ <mark>Encapsulate</mark>

257. In DLLs the executable library files are linked at_____ time
- ❖ . <mark>Ans: Compile</mark>

258. Each DLL program will have its own copy of _____ variables.
- ❖ <mark>Ans: Globle</mark>

259. In_____ operating system DLLs are used to invoke all kernel services.
- ❖ <mark>Ans: Windows</mark>

260. Dynamic memory is allocated from the
- ❖ Cache
- ❖ <mark>Paging file</mark>
- ❖ Stack

❖ Static memory

261. Which of the following is recommended to use while dealing with memory mapped file to look for EXCEPTION_IN_PAGE_ERROR exception?
   ❖ ESH exception handling
   ❖ **SHE exception handling**
   ❖ HE exception handling
   ❖ HES exception handling

262. To create a file mapping object, we have to declare _____ maximum parameters>
   ❖ 4
   ❖ 2
   ❖ **6**
   ❖ 8

263. It is not possible for a system to map a file greater than _____ Into virtual memory space, while using Win32 OS.
   ❖ 2GB
   ❖ **3MB**
   ❖ 3GB
   ❖ 2MB

264. It is much_____- to sort large data available in memory rather than in files.
   ❖ Harder
   ❖ Costly
   ❖ Unyielding
   ❖ **Ans: Easier**

265. qsort() is a _____ function.
   ❖ **Standard library**
   ❖ EXE
   ❖ Windows DLL
   ❖ User defined

266. When we create a file mapped object for sorting 1000 numbers in a file recorder will be saved in a/an_____-.
   ❖ Heap
   ❖ Stack
   ❖ Queue
   ❖ **Ans: Array**

267. Which of the following are the number of parameters taken by MapViewFile()?
   ❖ 2
   ❖ 4
   ❖ 3

❖ 5

268. While using MapViewOfFile(), which of the following are the three commonly used flags?
   ❖ FILE_WRITE, FILE_READ, AND FILE_ALL_ACCESS
   ❖ FILE_MAP_WRITE, FILE_MAP_READ,AND FILE_MAP_ALL_ACCESS
   ❖ MAP_WRITE,MAP_READ, AND MAP_AL_ACCESS
   ❖ WRITE, READ, AND ALL_ACCESS

269. _____ and _____ specify the starting address of the file from where the mapping starts.
   ❖ High, low
   ❖ dwFileHigh,dwFileLow
   ❖ dwFileOffsetHigh, dwFileOffsetLow
   ❖ dbFileOffsetHigh, dbFileOffsetLow

270. To start the mapping from the start of a file, set both dwFileOffsetHigh and dwFileOffsetLow as_____.

271. unmapViewOfFile() takes _____argument(s)
   ❖ . 2
   ❖ 1
   ❖ 4
   ❖ 3

272. Which of the following are the number of parameters taken by CreateFileMapping()?
   ❖ 6
   ❖ 7
   ❖ 5
   ❖ 4

273. _____ Is the API for file mapping objects.
   ❖ MakeFileMapping()
   ❖ CreateFileMapping()
   ❖ FilecreateMapping()
   ❖ Create_file_Mapping()

274. While using CreateFileMapping(),_____ refers to the paging file.
   ❖ LPSECURITY_ATTRIBUTES
   ❖ PSECURITY_ATTRIBUTES
   ❖ INVALID_HANDLE_VALUES
   ❖ INVALID_VALUES

275. While using CreatFileMapping(),_____ allows the mapping object to be secured.
   ❖ LPSECURITY_ATTRIBUTES

- ❖ PSECURITY_ATTRIBUTES
- ❖ INVALID_HANDLE_VALUES
- ❖ INVALID_VALUES

276. While using CreateFileMapping(), setting IpMapName to_____ disables the map sharing.
- ❖ **0**
- ❖ 1
- ❖ -1
- ❖ NULL

277. DLL stand for
- ❖ Direct layout library
- ❖ **Dynamic link library**
- ❖ Dynamic layout library
- ❖ Direct link library

278. The approach to gather all the source code and library functions after encapsulation into a single executable file, is called as _____
- ❖ Process linking
- ❖ **Static linking**
- ❖ Dynamic linking
- ❖ Thread linking

279. Each DLL program will have its own copy of ____ variables.
- ❖ **Global**
- ❖ Local
- ❖ Dynamic
- ❖ Static

280. In _____ operating system DLLs are used to invoke all kernel services.
- ❖ **Windows**
- ❖ Unix
- ❖ Linux
- ❖ Solaris

281. In DDLs the executable library files are linked at ____ time.
- ❖ Link
- ❖ Run
- ❖ **Compile**
- ❖ Load

282. The entry point in DLL defined structure (DWORD) ____ values.
- ❖ **8**
- ❖ 4
- ❖ 2

❖ 16

283. ReadFile() and writeFile() functions perform much _____ than memory mapped file processing
   ❖ Slower
   ❖ Faster
   ❖ **Convenient**
   ❖ Nimble

284. Which of the following controls the paging file?
   ❖ The pager
   ❖ Direct memory access
   ❖ Memory mapped I/o
   ❖ **Virtual memory management system**

285. While using memory mapped I/O there is/are _____ to manage buffers for repetitive operation on the file operations.
   ❖ Needed
   ❖ Not needed
   ❖ **Useful**
   ❖ Mandatory

286. In order to make a program more efficient, _____ heap(s) may be required.
   ❖ partial
   ❖ only one
   ❖ **several**
   ❖ Minimum number of

287. There are _____ parameters taken by the HeapCreate() API.
   ❖ **3**
   ❖ 2
   ❖ 1
   ❖ 4

288. The parameter "flOptions" in the HeapCreate() API is a combination of _____ flags.
   ❖ 2
   ❖ 4
   ❖ **3**
   ❖ 1

289. A process can have _____ heap(s).
   ❖ Only two
   ❖ At the most one
   ❖ only one
   ❖ **Many**

290. _____ API is used to create a new heap.
    - ❖ createHeap()
    - ❖ **HeapCreate()**
    - ❖ BuildHeap()
    - ❖ NewHeap()

291. If threads have separate memory space, then it will reduce_____
    - ❖ **Memory contention**
    - ❖ Access speed
    - ❖ **Direct memory access**
    - ❖ Memory density

292. _____ is an appropriate API to dispose-off a heap handle.
    - ❖ shudderHandle()
    - ❖ DestroyHandle()
    - ❖ DeleteHeap()
    - ❖ **HeapDestroy()**