How can we overcome the issue of dangling reference in a program ?

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

100%

What will be the output of the program below?

```
#include <iostream.h>

main()
{
```

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* <u>U</u>

100%

```
main()
{
    int i = 2;
    int j = 3;
```

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

```
    int k = 2 * ++i * j++;

    cout<<k;
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Write the operator overloading declaration for a stream extraction (>>) operator for an integer.

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Suppose an object of class A is declared as data member of class B.
(i) The constructor of which class will be called first?
(ii) The destructor of which class will be called first?

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | B I U |

Identify and correct the error(s) in given code.

```
while ( c <= 5 );
{
```

Answer (Please click here to Add Answer)

```
    sum + = c;

    c++;

)
```

Answer (Please click here to Add Answer)

What will be the output of the following code snippet?

```
int x = 10;
int &y = x;
y+=5;
cout << x;
```

Answer (Please click here to Add Answer)

Write a function named Sum which accepts an integer as argument. In the function use a static variable to add the values passed to it as arguments with each function call. In the end, display the sum of values passed as arguments.

Answer (Please click here to Add Answer)

Normal | Arial | 12 | B I U

Given is the code for nested classes.

```
class First
{
  public:
```

Answer (Please click here to Add Answer)

Normal | Arial | 12 | B I U

```
class Second
{
   public:

      void Display()
      {
```

Answer (Please **click here** to Add Answer)

```
        {
            cout<<"inner Object called...";
        }

    };
```

Answer (Please click here to Add Answer)

```
        }

    };

};
```

Write main() function to create an object of inner class and then call its function Display().

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

Write a program which defines a Template function named **Add ()** which adds two variables and then returns the sum. Define two variables of type **int** in main function, and then call Add () function on these variables.

Program output should look like this:

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* U

Made by: Waqar Siddhu

Program output should look like this:

Enter two integer values to be added
 Enter First value:
 12

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

Enter two integer values to be added
Enter First value:
12
Enter Second value:
25
Addition of two variable of different data type

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

Enter Second value:

25

Addition of two variable of different data type

Sum = 37

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Construct a logical expression to represent each of the following conditions:

a. score is greater than or equal to 80 but less than 90;

b. answer is either N or n;

c. n is even but not 8;

d. number is a multiple of both 4 and 6

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

In a C++ program, how would you identify whether a declared variable is a "reference variable" or an "address variable"?

Answer (Please click here to Add Answer)

VuAnswers.com

Normal | Arial | 12 | B I U |

Made by: Waqar Siddhu

What will be the output of given program code ?

```
class File {

  private:
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal | Arial | 12 | B I U

Made by: Waqar Siddhu

```
    char *name;
    char *type;
    int size;

public:
```

Answer (Please click here to Add Answer)

| Normal | Arial | 12 |

```
File()
{
    File::num_files++;
}
```

Answer (Please **click here** to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

```
    static int num_files;
};

    int File::num_files = 0;
main()
```

Answer (Please click here to Add Answer)

Normal | Arial | 12 | **B** *I* <u>U</u>

```
    int File::num_files = 0;
main()
{
    File f1;

    cout<<f1.num_files<<endl;
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* U

Made by: Waqar Siddhu

```
cout << f1.num_files << endl;

File f2;

cout<<f2.num_files<<endl;
```

Answer (Please click here to Add Answer)

```
    cout<<f2.num_files<<endl;

    cout<<File::num_files;

    return 0;
}
```

Answer (Please click here to Add Answer)

What will be the value of the given expression after evaluation if x = 3 and y = 2 ?

(++x*++y)-2

Answer (Please click here to Add Answer)

When memory is allocated dynamically using new operator within the constructor of class then what is an appropriate place to de-allocate the memory?

Answer (Please click here to Add Answer)

How can we initialize an object which is declared as constant data member in another class ?

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

What happens when we use new and delete operators?

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Consider the following code segment. What will be the output of the following code segment?

```
main(){
char string1[] = "introduction" ;
char string2[] = "programming" ;
cout << "String 1 is " << string1  << endl ;
```

Answer (Please click here to Add Answer)

```
char string1[] = "introduction" ;
char string2[] = "programming" ;
cout << "String 1 is " << string1  << endl ;
cout << "Size of string 1 is " << sizeof(string1) << "bytes" << endl ;
cout << "String 2 is " << string2 << endl ;
cout << "Size of string 2 is " << sizeof(string2) << "bytes" ;
```

Answer (Please click here to Add Answer)

```
char string[] = "programming" ;
cout << "String 1 is " << string1  << endl ;
cout << "Size of string 1 is " << sizeof(string1) << "bytes" << endl ;
cout << "String 2 is " << string2 << endl ;
cout << "Size of string 2 is " << sizeof(string2) << "bytes" ;
}
```

Answer (Please click here to Add Answer)

Is it possible to define the following two functions having the same names, in the same program? Justify your answer.

```
int func(int x, int y);
int func(int &x, int &y);
```

Answer (Please click here to Add Answer)

Determine the output of given program code.

```
#include <iostream.h>

void staticFunc()
{
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* <u>U</u>

```
void staticFunc()
{
    static int i = 0;
    cout << i*2 << " ";

    i++;
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

```
    cout << i*2 << " ";

    i++;
}

void nonstaticFunc()
```

Answer (Please click here to Add Answer)

```
}

void nonstaticFunc()
{
    int i = 0;
    cout << i*2 << " ";
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

```
{
  int i = 0;
  cout << i*2 << " ";

  i++;
}
```

Answer (Please click here to Add Answer)

Normal   Arial   12   B I U

```
   i++;
}

main()
{
```

Answer (Please click here to Add Answer)

VuAnswers.com

```
main()
{
  for(int j=0; j<3; j++)
  {
    staticFunc();
    nonstaticFunc();
```

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

```
{
    staticFunc();
    nonstaticFunc();

}
```

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

```
    nonstaticFunc();

  }

  return 0;
}
```

Answer (Please click here to Add Answer)
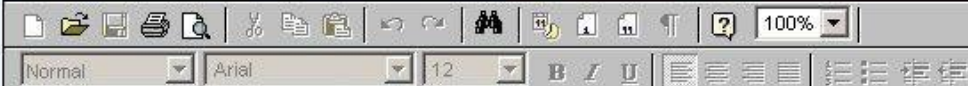
VuAnswers.com

Normal   Arial   12   **B** *I* U

Made by: Waqar Siddhu

Given lines of code are three important functions of a class Matrix, describe each in one line

Matrix(int=0, int=0);
Matrix(const Matrix &);
~Matrix();

Answer (Please click here to Add Answer)

VuAnswers.com

| Normal | Arial | 12 | B I U |

Made by: Waqar Siddhu

Write a program that defines a Template function named Square () which finds the square of a number and then return it. Define one variable of type **float** in main function and then call Square function on that. Program output should look like this:

Enter a float value to find its Square: 12.3
Square of float number is: 151.29

Answer (Please click here to Add Answer)

VuAnswers.com

Normal | Arial | 12 | **B** *I* U

Made by: Waqar Siddhu

Let suppose

```
class String{
private:
    char *str ;
public:
```

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

Let suppose

class String{
private:
    char *str ;
public:

Answer (Please click here to Add Answer)

VuAnswers.com

```
public:
  void operator = (const String &s){
  delete str;
  str = new char[strlen(s.str)+1];
  strcpy(str, s.str);
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal | Arial | 12 | B I U

Made by: Waqar Siddhu

```
}
};
main(){
    String s, *sptr ;
    sptr=&s;
    ......
```

Answer (Please click here to Add Answer)

```
String s, *sptr ;
sptr=&s;
. . . . . . .
s = *sptr
. . . . . .
}
```

Answer (Please click here to Add Answer)

Normal ▾ Arial ▾ 12 ▾ **B** *I* U

```
  s = *sptr
  .......
}
```

Bad coding practice has been adopted here, identify and describe it in words. Also write correct code for assignment operator.

Answer (Please click here to Add Answer)

```
      spa
  . . . . . . .
}
```

Bad coding practice has been adopted here, identify and describe it in words. Also write correct code for assignment operator.

Answer (Please click here to Add Answer)

Write a program which declares and initializes an integer array of 10 elements and then using a pointer, displays the array elements in reverse order.

Answer (Please click here to Add Answer)

Write a small program which defines a user-defined manipulator named Octal. This manipulator should convert and display the decimal number into octal form. In the main function, You have to take a decimal number as an input from the user and then by using the user-defined manipulator display the number in octal form.

Answer (Please click here to Add Answer)

What will be the value of the given expression after evaluation if x = 3 and y = 2 ?

(++x*++y)-2

Answer (Please **click here** to Add Answer)

VuAnswers.com

Made by: Waqar Siddh

Friendship in classes/functions is granted or taken ? How it is granted or taken ?

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | B I U |

Write a C/C++ statement to print a floating point number 1.234 in a 9-digit field with preceding zeros.

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* U

Made by: Waqar Siddhu

Write down the meaning of given below line of code, where m is an object of class Matrix

        if(&m != this)

Answer (Please click here to Add Answer)

Normal   Arial   12   B I U

What will be the output of given program code?

```
main()
{
    char province[] = "Sindh";
    char s[80];
```

Answer (Please click here to Add Answer)

```
strcpy(s, "Hyderabad");

strcat(s, " and ");

strcat(s, province);
```

Answer (Please click here to Add Answer)

```
   cout << s;

}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* <u>U</u>

Identify and correct the error in the given code segment.

```
main()
{
    int val = 30;
    int &ref = val;
```

Answer (Please click here to Add Answer)

```
`
   int val = 30;
   int &ref = val;

   &ref = &ref++;

}
```

Answer (Please click here to Add Answer)

Write a simple program which uses the getline() member function of cin object for reading a string of 30 characters from the keyboard as long as the user presses ENTER key and display the result.

Answer (Please click here to Add Answer)
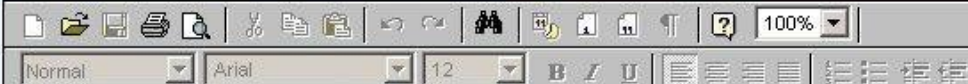
Given lines of code are three important functions of a class Matrix, describe each in one line

```
Matrix(int=0, int=0);
Matrix(const Matrix & );
~Matrix();
```

Answer (Please click here to Add Answer)

Write a program that defines a Template function named Square () which finds the square of a number and then return it. Define one variable of type **double** in main function and then call Square function on that.

Program output should look like this:

Enter a double value to find its Square: 235.3

Answer (Please click here to Add Answer)

on that.

Program output should look like this:

Enter a double value to find its Square: 235.3
Square of double number is: 55366.1

Answer (Please click here to Add Answer)

VuAnswers.com

Convert the following switch statement code into if statements.

```
switch (operator) {
case '+':
        result = op1 + op2;
        break;
```

Answer (Please click here to Add Answer)

Normal   Arial   12   B I U
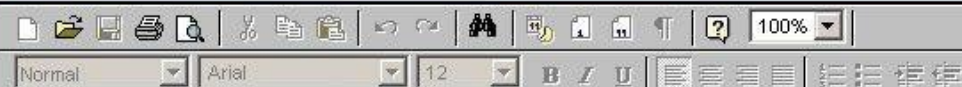
```
        break;
case '-':
        result = op1 - op2;
        break;
case 'x':
case '*':
```

Answer (Please click here to Add Answer)

```
case 'x':
case '*':
        result = op1 * op2;
        break;
case '/':
        result = operand1 / operand2;
```

Answer (Please click here to Add Answer)

```
case '/':
        result = operand1 / operand2;
        break;
default:
cout << "Unknown operator" ;
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal ▾ Arial ▾ 12 ▾ **B** *I* <u>U</u>

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```
         result = operand1 / operand2;
         break;
default:
cout << "Unknown operator" ;
}
```

Answer (Please click here to Add Answer)

Given is the code for the class myClass.

```
class myClass
{
private:
    int x ;
```

Answer (Please click here to Add Answer)

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```
    int x ;
    int y;



public:
    myClass()
```

Answer (Please click here to Add Answer)

```
myClass()
{
    x = 0;
    y = 0;
}
```

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* <u>U</u>

```
   }
};
```

You are required to write the code to perform the following task in the main() function.

Answer (Please click here to Add Answer)

You are required to write the code to perform the following task in the main() function.

- Prompt the user to enter the number of objects to be created.
- Dynamically allocate memory to objects according to the size entered by user.
- De-allocate memory that was allocated to objects.

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Write a small program which defines a user define manipulator named star, this manipulator should display the output separated by four stars.

For example the output of the program should look like this

Virtual****University

Answer (Please click here to Add Answer)

Which bit of the number is used as a sign bit?

Answer (Please click here to Add Answer)

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Normal　　　Arial　　　12　　B I U

Made by: Waqar Siddhu

Suppose we want to pass a variable by reference to a function and we also don't want the function to change the original value of that variable. How can we achieve this in C++?

Answer (Please click here to Add Answer)

Write the C++ code for the declaration of overloaded stream extraction(>>) and stream insertion(<<) operator for the object d of type Date.

Answer (Please click here to Add Answer)

Suppose we have a class Student which contains an object of class String as its data member. Now if we create an object of Student type then what will be the construction sequence of objects ?

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | B I U |

Can we pass the first parameter of a stream extraction or stream insertion operator by value? If not then why?

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Answer (Please click here to Add Answer)

Made by: Waqar Siddhu

Determine the output for code given below.

```
main()
{
int x = 5 ;
{
```

Answer (Please click here to Add Answer)

```
int x = 5 ;
{
  int x = 10 ;
  cout << x ;
  cout << endl ;
}
```

Answer (Please click here to Add Answer)

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Normal   Arial   12   **B** *I* <u>U</u>

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```
cout << x ;
cout << endl ;
}
cout << x ;
}
```

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Answer (Please click here to Add Answer)

Made by: Waqar Siddhu

Is it possible using operator overloading to change the behavior of - (minus operator) on integers? Justify your answer.

Answer (Please click here to Add Answer)

Consider the following code segment. What will be the output of the following code segment?

```
class class1{
public:
        class class2{
        public:
```

Answer (Please **click here** to Add Answer)

```
class class2{
public:
class2(){
cout << "Calling default constructor of class2\n" ;
}
};
```

Answer (Please click here to Add Answer)

| Normal | Arial | 12 | **B** *I* U |

```
    cout << "Calling default constructor of class2\n" ;
    }
};
class1(){
cout << "Calling default constructor of class1\n" ;
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   **B** *I* <u>U</u>

Made by: Waqar Siddhu

```
        class1(){
        cout << "Calling default constructor of class1\n" ;
        }
} ;
main(){
class1::class2 obj1;
```

Answer (Please click here to Add Answer)

```
, ,
main(){
class1::class2 obj1;
class1 obj2 ;
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Write the main function in which you have to add three integer elements in template class queue, and then call print function. After that, remove two elements from the queue.

```
//C++_Class_Templates.cpp

#include <iostream.h>
#include <vector>
```

Answer (Please click here to Add Answer)

```
template <typename T>
class MyQueue
{
    std::vector<T> data;
  public:
    void Add(T const &);
```

Answer (Please click here to Add Answer)

```
    void Add(T const &);
    void Remove();
    void Print();
};


template <typename T> void MyQueue<T> ::Add(T const &d)
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

```
template <typename T> void MyQueue<T> ::Add(T const &d)
{
    data.push_back(d);
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal | Arial | 12 | **B** *I* <u>U</u>

Made by: Waqar Siddhu

```
/
template <typename T> void MyQueue<T>::Remove()
{
    data.erase(data.begin( ) + 0,data.begin( ) + 1);
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal   Arial   12   B I U

Made by: Waqar Siddhu

```
data.erase(data.begin() + 0,data.begin() + 1);
}

template <typename T> void MyQueue<T>::Print()
{
    std::vector <int>::iterator It1;
```

VuAnswers.com

Normal ▾ | Arial ▾ | 12 ▾ | B I U | ☰ ☰ ☰ ☰ | ⠿ ⠿ ⠿ ⠿

Made by: Waqar Siddhu

```
`
    std::vector <int>::iterator It1;
    It1 = data.begin();
    for ( It1 = data.begin( ) ; It1 != data.end( ) ; It1++ )
        cout << " " << *It1<<endl;

}
```

Answer (Please **click here** to Add Answer)

VuAnswers.com

| Normal | Arial | 12 | B I U |

Made by: Waqar Siddhu

Determine the output of the following program.

```cpp
#include <iostream.h>

int addValue (int *);

int main () {
```

Answer (Please click here to Add Answer)

```
int x, y;
x = 6;
cout << "Value of x before calling addValue ():\t" << x << endl;
y = addValue (&x);
cout << "Value of x after calling addValue ():\t" << x <<endl;
cout << "Value of y:\t" << y;
```

Answer (Please click here to Add Answer)

VuAnswers.com

```
system("pause");
}

int addValue (int *a){
*a = *a + 2;
```

Answer (Please click here to Add Answer)

VuAnswers.com

```
int addValue (int *a){
*a = *a + 2;
return *a;
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Normal Arial 12 B I U

Made by: Waqar Siddhu

Find the errors in given code segment and also correct them.

```
class Data
{
private:
const int data;
public:
```

Answer (Please click here to Add Answer)

```
public:
Data()
{
cout<<"Constructor Called...\n ";
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

```
void getIncreament()
{
cout<<"Data = " << ++ data;
}
};
```

Answer (Please click here to Add Answer)

```
void main()
{
char * String ;
String = New char[15];
String = "Welcome To VU";
```

Answer (Please click here to Add Answer)

```
char    String ;
String = New char[15];
String = "Welcome To VU";
cout<<String;
free (String);
}
```

Answer (Please click here to Add Answer)

VuAnswers.com

Made by: Waqar Siddhu

Write a small program which defines a user define manipulator named star, this manipulator should display the output separated by four stars.

For example the output of the program should look like this

Virtual****University

Answer (Please click here to Add Answer)

Normal   Arial   12   **B** *I* U

Which are two types of conversion for user-defined data types?

Answer (Please click here to Add Answer)

What is returned by new operator?

Answer (Please click here to Add Answer)

Write down the general syntax of switch statement.

Answer (Please click here to Add Answer)

Write down the meaning of given below line of code, where m is an object of class Matrix

```
if( &m != this)
```

Answer (Please click here to Add Answer)

Assume that you write a program to read the data from a text file. You have two options to do it, either reading the data character by character or reading multiple lines of data at a time. Which option do yo think is more better and Why ?

Answer (Please click here to Add Answer)

Is it possible using operator overloading to change the behavior of - (minus operator) on integers? Justify your answer.

Answer (Please click here to Add Answer)

Write a program using getline() member function to input a string up to delimiter character comma (,) and then display the string on the screen.

Answer (Please click here to Add Answer)

Given is the code for nested classes.

```
class First
{
    public:
```

Answer (Please click here to Add Answer)

Write a program which defines a Template function named Add () which adds two variables and then returns the sum. Define two variables of type **double** in main function, and then call Add () function on these variables.

Program output should look like this:

Enter two double values to be added

Answer (Please click here to Add Answer)

Write a program that calculates the area of a circle. You have to declare two variables for this, one is area and other is radius. Take the value of radius from the user.

　　　　Hint: Area of circle = 3.14 * radius *radius　 /

Answer (Please click here to Add Answer)

Given is the code of a class Matrix.

```
class Matrix
{
private:
int Elements[3][3];
```

Answer (Please click here to Add Answer)

What should be typical sequence of steps while overloading an assignment operator?

Answer (Please click here to Add Answer)

```
private:
int Elements[3][3];
};
```

Write the operator function of Insertion operator (<<) for this class.

Answer (Please click here to Add Answer)

Enter two double values to be added
Enter First value:
 12354.23
 Enter Second value:
 2563.25

Answer (Please click here to Add Answer)

Enter Second value:
2563.25

Addition of two variable of double data type
Sum = 14917.5

Answer (Please click here to Add Answer)

Normal | Arial | 12 | **B** *I* U

Made by: Waqar Siddhu

```
class Second
{
    public:

        void Display()
```

Answer (Please click here to Add Answer)

```
                    {
                        cout<<"inner Object called...";
                    }

                };
```

Answer (Please click here to Add Answer)

```
        }

    };

};
```

Write main() function to create an object of inner class and then call its function Display().

Answer (Please click here to Add Answer)

12
Enter Second value:
25
Addition of two variable of different data type
Sum = 37

Answer (Please click here to Add Answer)

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Question No : 41 of 52   **Marks: 2 (Budgeted Time 4 Min)**

Explain the meaning of given C++ statement: **const int *ptr = &x;**

Answer (Please click here to Add Answer)

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Question No : 42 of 52   **Marks: 2 (Budgeted Time 4 Min)**

Are friend functions member- functions of the class? How they access data members and member functions of class?

Answer (Please click here to Add Answer)

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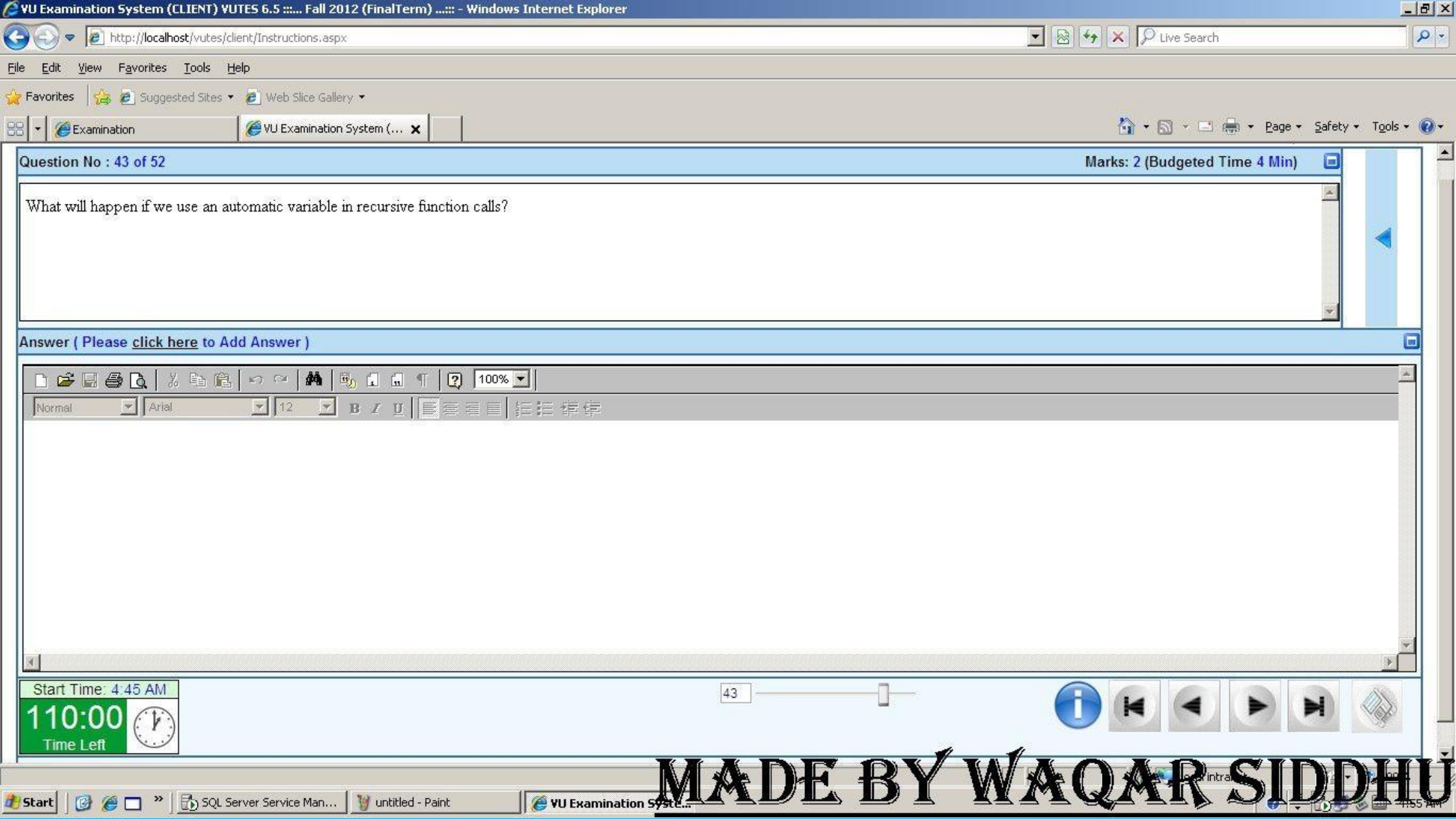
Question No : 43 of 52   **Marks: 2 (Budgeted Time 4 Min)**

What will happen if we use an automatic variable in recursive function calls?

Answer (Please click here to Add Answer)

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Question No : 44 of 52   **Marks: 2 (Budgeted Time 4 Min)**

Read the given code and explain code functionality.

Matrix :: Matrix (const Matrix & m)
{
    numRows = m.numRows ;

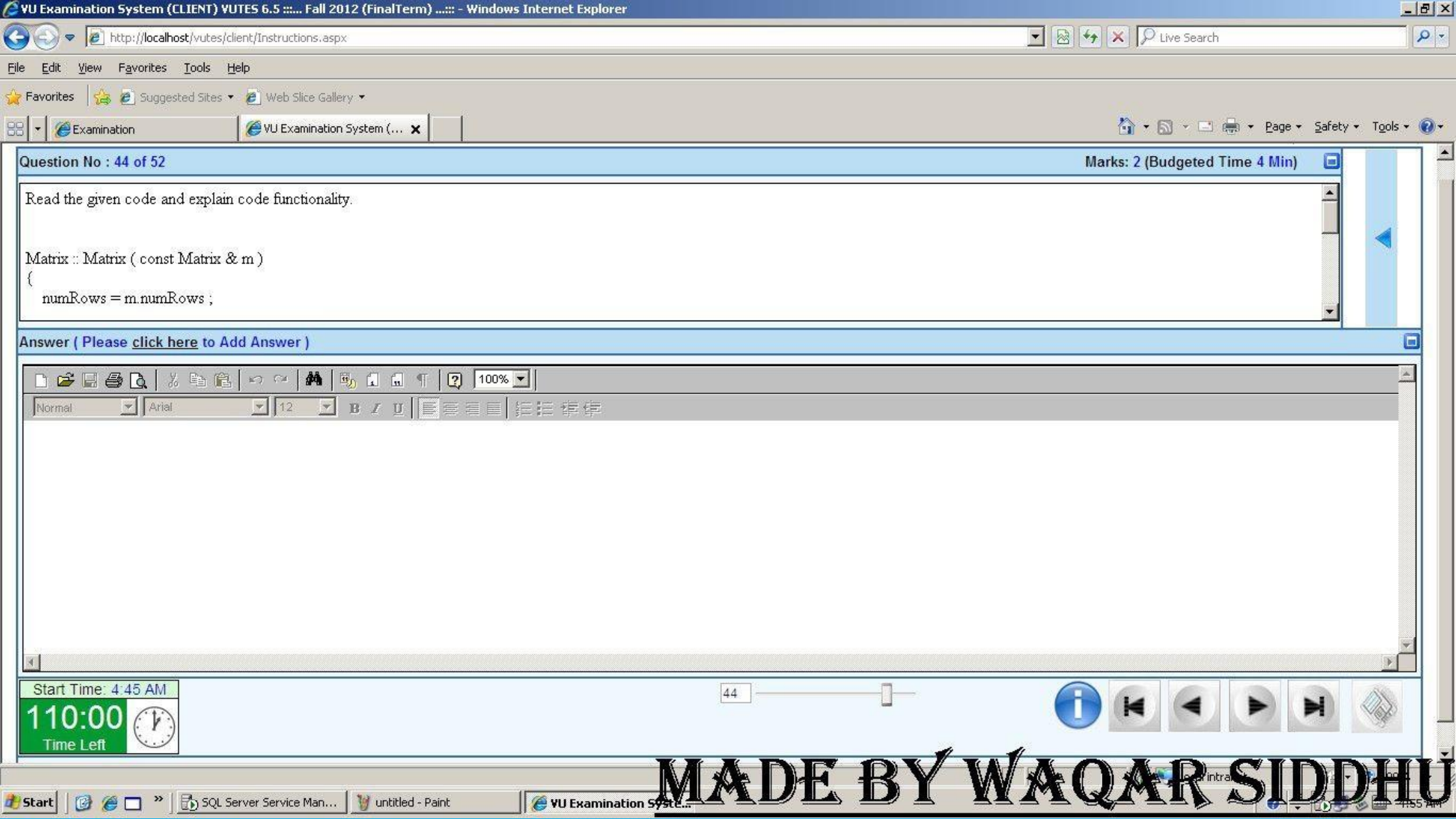**Answer (Please click here to Add Answer)**

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Question No : 45 of 52   **Marks: 3 (Budgeted Time 6 Min)**

Convert the given if statement into if-else statement.
```
if(num <0)

   cout<<"the number is negative";

if(num <100 && num > 0)
```

Answer (Please click here to Add Answer)

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Question No : 46 of 52   **Marks: 3 (Budgeted Time 6 Min)**

Do you agree that prototype of an ordinary function and a function declared inside class, are the same? Justify your answer with proper comments.
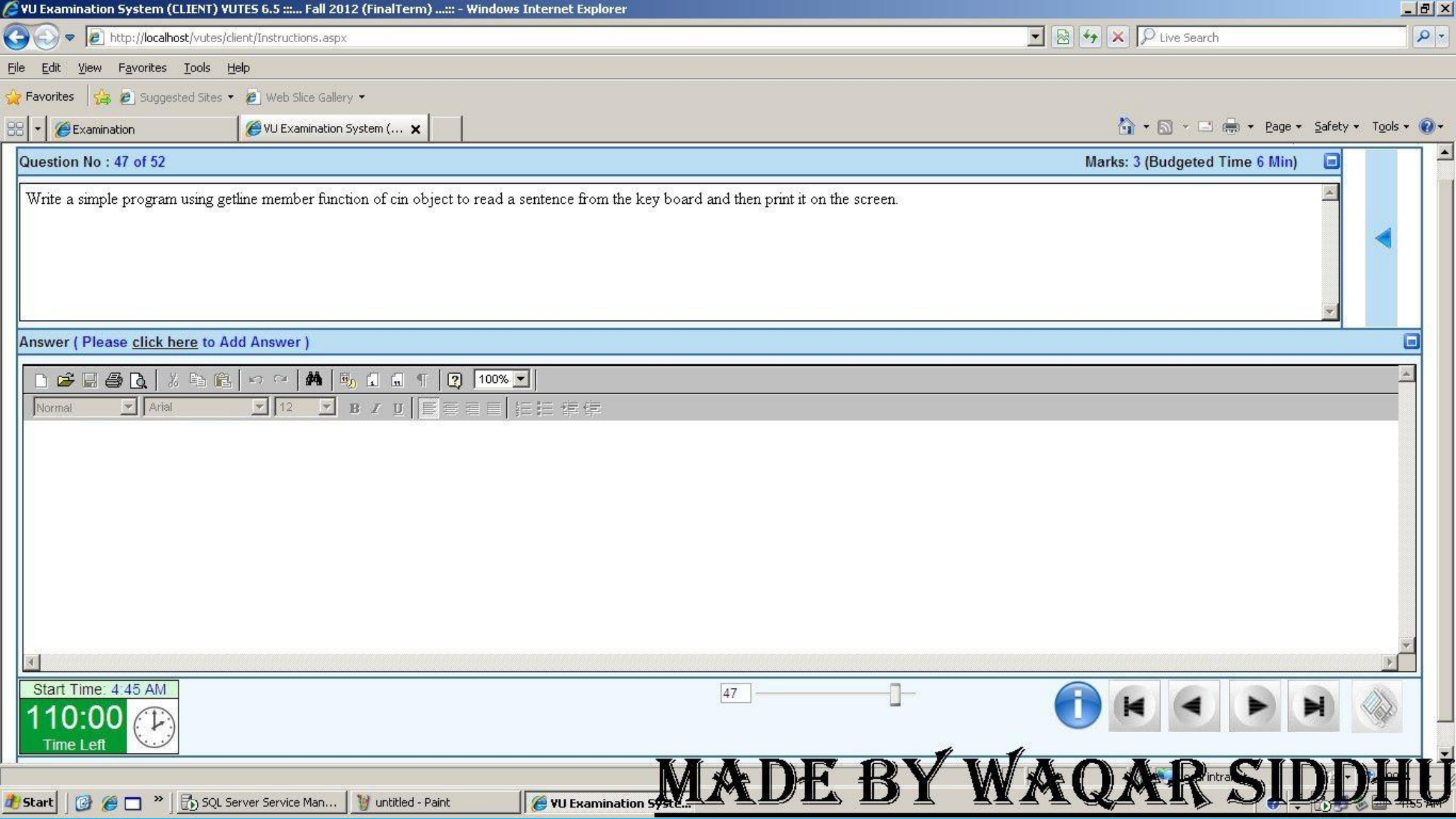
Answer (Please click here to Add Answer)

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Question No : 47 of 52   **Marks: 3 (Budgeted Time 6 Min)**

Write a simple program using getline member function of cin object to read a sentence from the key board and then print it on the screen.
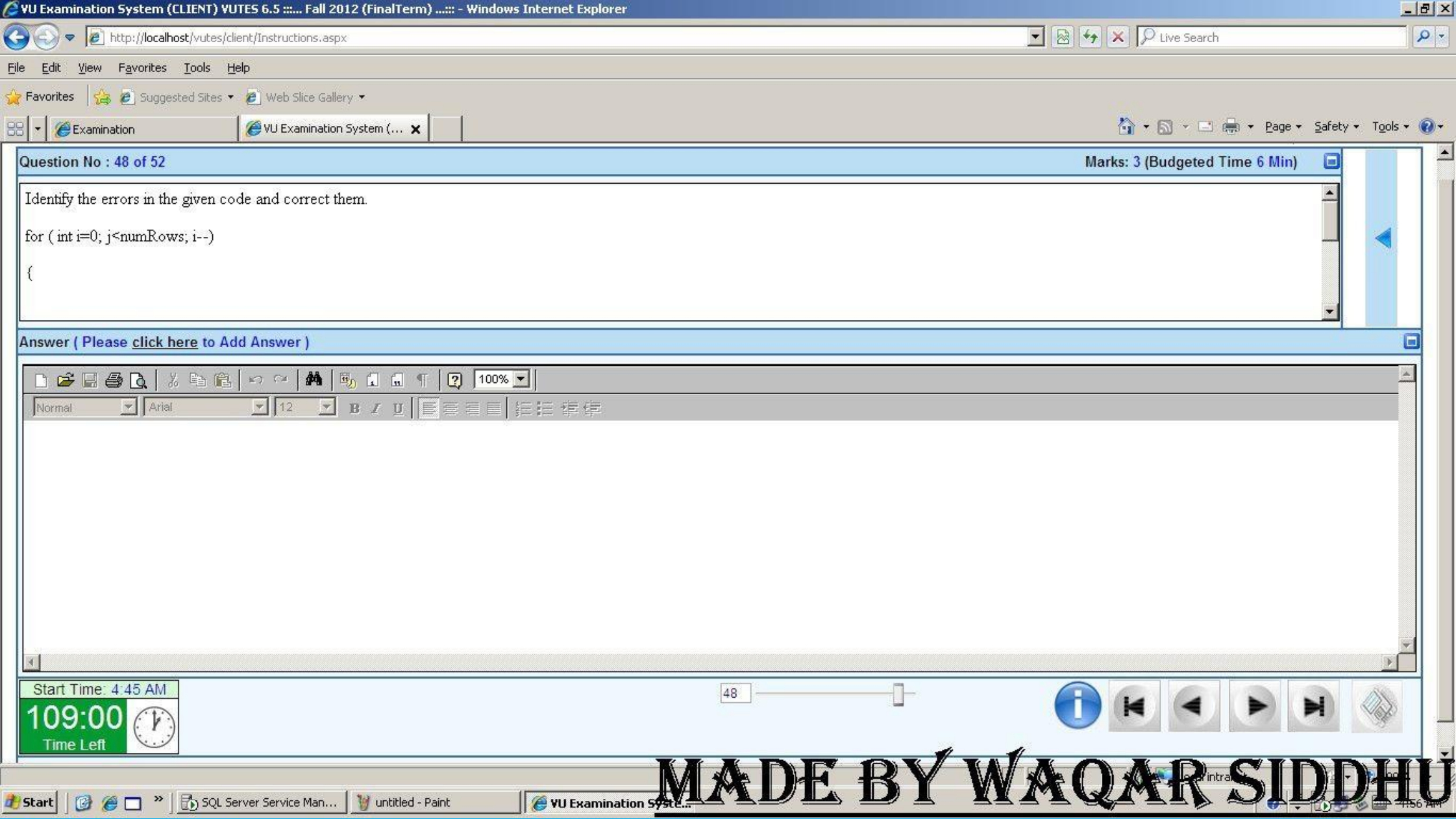
Answer (Please click here to Add Answer)

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Question No : 48 of 52   **Marks: 3 (Budgeted Time 6 Min)**

Identify the errors in the given code and correct them.

for (int i=0; j<numRows; i--)
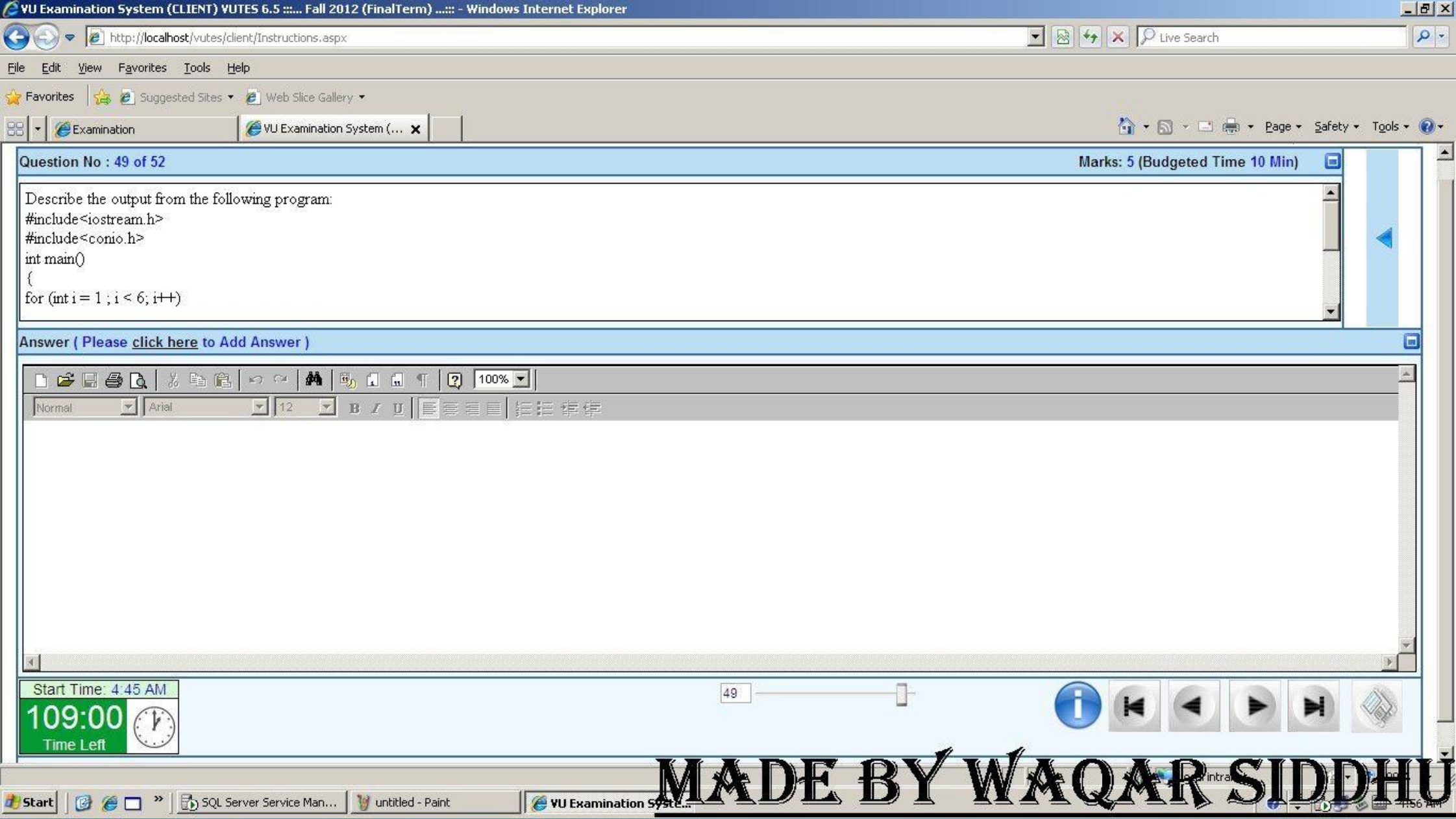
{

Answer (Please click here to Add Answer)

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Question No : 49 of 52   **Marks: 5 (Budgeted Time 10 Min)**

```
Describe the output from the following program:
#include<iostream.h>
#include<conio.h>
int main()
{
for (int i = 1 ; i < 6; i++)
```

Answer (Please click here to Add Answer)

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Question No : 50 of 52   **Marks: 5 (Budgeted Time 10 Min)**

Given below is the code of the class named Weight.

class Weight
{
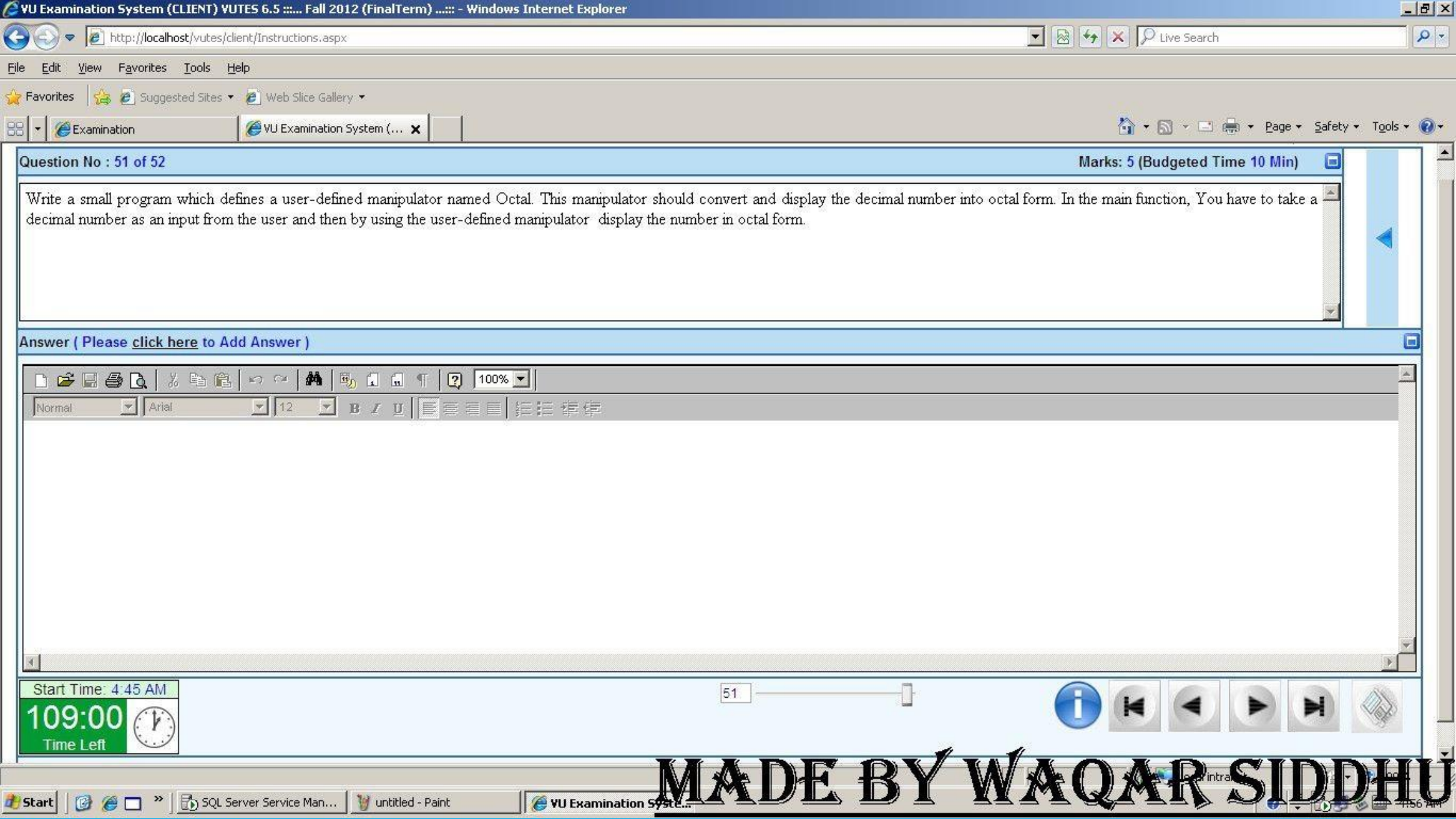   private:

Answer (Please click here to Add Answer)

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Question No : 51 of 52   **Marks: 5 (Budgeted Time 10 Min)**

Write a small program which defines a user-defined manipulator named Octal. This manipulator should convert and display the decimal number into octal form. In the main function, You have to take a decimal number as an input from the user and then by using the user-defined manipulator display the number in octal form.

Answer (Please click here to Add Answer)

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Question No : 52 of 52   **Marks: 5 (Budgeted Time 10 Min)**

Given is the code of a Date class.

class Date
{

private:

Answer (Please click here to Add Answer)

```
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```

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What is returned by new operator?

Answer (Please click here to Add Answer)

Explain the meaning of given C++ statement: **const int *ptr = &x;**

Answer (Please click here to Add Answer)

Write main types of operators based on number of operands they take?

Answer (Please click here to Add Answer)

Write down the meaning of given below line of code, where m is an object of class Matrix

```
if( &m != this)
```

Answer (Please click here to Add Answer)

If we initialize an array as given below then how much memory will be allocated to the array "name" and why?

char name [] = "Hello World";

Answer (Please click here to Add Answer)

What will be the output of the following code snippet?

```
int x = 10;
int &y = x;
y+=5;
cout << x;
```

Answer (Please click here to Add Answer)

Read the given below code and explain what task is being performed by this function

```
Matrix :: Matrix ( int row , int col )
{
    numRows = row ;
    numCols = col ;
```

Which one (copy constructor or assignment operator) will be called in each of the following code segment?

1)　　　Matrix m1 (m2);

2)　　　Matrix m1, m2;
　　　　m1 = m2;

Answer (Please click here to Add Answer)

Write a program which defines a Template function named **Add ()** which adds two variables and then returns the sum. Define two variables of type **int** in main function, and then call Add () function these variables.

Program output should look like this:

Answer (Please click here to Add Answer)

Explain the logic of given program and write down its output.

```
#include <string.h>
#include <iostream.h>

int main()
```

Given is the code for a class String.

class String {

   private:

Answer (Please click here to Add Answer)

Write a program which defines three variables of type double and store three different values including decimal points in these variables, using setprecision manipulators print all these values with differen number of digits after the decimal point.

Answer (Please click here to Add Answer)

```
    char *str;

public:


    String();
```

Answer (Please click here to Add Answer)

```
String( char *s)
{
    int length = strlen(s);

    str = new char [length + 1];
```

Answer (Please click here to Add Answer)

```
    strcpy(str, s);
  }



};
```

Answer (Please click here to Add Answer)

};

You are required to write the code for overloading the + operator for the above class to add two objects of type String.

Note: Adding two strings means concatenating the two strings.

Answer (Please click here to Add Answer)

```
{
  char str[] = "This is a line";
  char *p;

  p = strchr(str, 's');
```

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```
while (p != NULL) {

  cout<<"found at \n"<<p - str + 1;

  p = strchr(p + 1, 's');
}
```

Answer (Please click here to Add Answer)

```
    cout<< "found at "<< p - str + 1;

    p = strchr(p + 1, 's');
  }

  return 0;
}
```

Answer (Please click here to Add Answer)

Enter two integer values to be added
 Enter First value:
 12
Enter Second value:
 25

Answer (Please click here to Add Answer)

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