***PRACTICAL-1***

*OBJECT:* Write a generalized program to prepare Bio-data.

|  |  |
| --- | --- |
| START  INPUT; N$  INPUT; F$  INPUT; S$  INPUT; D$  INPUT; Q$  INPUT; R$  INPUT; NA$  PRINT; N$    PRINT; F$  PRINT; S$  PRINT; D$  PRINT; Q$  PRINT; R$  PRINT; NA$  END | 10 REM \* PROGRAM TO PREPARE BIO-DATA \*  20 CLS  30 INPUT “ENTER YOUR GOOD NAME ------ ”; N$  40 INPUT “ENTER YOUR FATHER’S NAME- ”; F$  50 INPUT “ENTER YOUR SEX------------------- ”; S$  60 INPUT “ENTER YOUR DATE OF BIRTH--- ”; D$  70 INPUT “ENTER YOUR QUALIFICATION-- ”; Q$  60 INPUT “ENTER YOUR RELIGION----------- ”; R$  70 INPUT “ENTER YOUR NATIONALITY----- ”; NA$  80 CLS  90 PRINT TAB(30)“B I O – D A T A”  100 PRINT TAB(30)“--------------------”  110 PRINT  120 PRINT TAB(20)“YOUR GOOD NAME ------ ”; N$  130 PRINT TAB(20)“YOUR FATHER’S NAME- ”; F$  140 PRINT TAB(20)“YOUR SEX------------------- ”; S$  150 PRINT TAB(20)“YOUR DATE OF BIRTH--- ”; D$  160 PRINT TAB(20)“YOUR QUALIFICATION-- ”; Q$  170 INPUT TAB(20)“YOUR RELIGION----------- ”; R$  180 INPUT TAB(20)“YOUR NATIONALITY----- ”;NA$  190 END |

***PRACTICAL-2***

*OBJECT:* Write a program to print your name ten times by using.

(a) FOR-NEXT Statement (b) IF-THEN Statement

|  |  |
| --- | --- |
| (a) By using FOR-NEXT Statement  START  INPUT; N$  FOR A = 1 TO 10  PRINT; N$  NEXT A  END | 10 REM \* PROGRAM TO PRINT YOUR NAME TEN TIMES \*  20 CLS  30 INPUT “ENTER YOUR GOOD NAME ========>”; N$  40 CLS  50 PRINT TAB(25)“PRINTING OF NAME TEN TIMES”  60 PRINT TAB(23)“BY USING FOR-NEXT STATEMENT”  70 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~~”  80 FOR A = 1 TO 10  90 PRINT TAB(38); A; N$  100 NEXT A  110 END |

|  |  |
| --- | --- |
| (b) By using IF-THEN Statement  START  INPUT; N$  C  A = A + 1  PRINT A; N$  NO  IS A = 10 C  YES  END | 10 REM \* PROGRAM TO PRINT YOUR NAME TEN TIMES \*  20 CLS  30 INPUT “ENTER YOUR GOOD NAME ========>”; N$  40 CLS  50 PRINT TAB(25)“PRINTING OF NAME TEN TIMES”  60 PRINT TAB(25)“BY USING IF-THEN STATEMENT”  70 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~”  80 A = A + 1  90 PRINT TAB(38); A; N$  100 IF A = 10 THEN END ELSE 80 |

***PRACTICAL-3***

*OBJECT:* Write a program to calculate Square and Cube of first Ten Natural Numbers

|  |  |
| --- | --- |
| START  FOR N = 1 TO 10  PRINT N, N^2, N^3  NEXT N  END | 10 REM \* PROGRAM TO CALCULATE SQUARE AND CUBES \*  20 CLS  30 PRINT “NUMBERS”, “SQUARE”, “CUBE”  40 PRINT “~~~~~~~~~”, “~~~~~~~~”, “~~~~”  50 FOR N = 1 TO 10  60 PRINT N, N^2, N^3  70 NEXT N  80 PRINT STRING$(35, “~”)  90 END |

***PRACTICAL-4***

*OBJECT:* Write a program to produce the sum of first Ten Natural Numbers

|  |  |
| --- | --- |
| START  FOR N = 1 TO 10  SUM = SUM + N  PRINT ; N  NEXT N  PRINT ; SUM  END | 10 REM \* PROGRAM TO PRODUCE SUM OF NUMBERS \*  20 CLS  30 PRINT “NUMBERS”  40 PRINT “~~~~~~~~~”  50 FOR N = 1 TO 10  60 SUM = SUM + N  70 PRINT N  80 NEXT N  90 PRINT TAB(30); “---------“  100 PRINT “SUM OF FIRST TEN NATURAL NUMBERS IS “;SUM  110 PRINT TAB(30); “---------“ |

***PRACTICAL-5***

*OBJECT:* Write a program to the numbers 13,8,28,18,23,3 in

(a) Ascending Order (b) Descending Order

|  |  |
| --- | --- |
| (a) Ascending Order    START  FOR A = 3 TO 28 STEP 5  PRINT ; A  NEXT A    END | 10 REM \* PROGRAM TO ARRANGE NUMBERS \*  20 CLS  30 PRINT TAB(25)“NUMBERS IN ASCENDING ORDER”  40 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~~”  50 FOR A = 3 TO 28 STEP 5  60 PRINT TAB(38); A  70 NEXT A  80 PRINT TAB(25) STRING$(26, “~”)  90 END |

|  |  |
| --- | --- |
| (b) Descending Order  START  FOR D = 28 TO 3 STEP -5  PRINT ; D  NEXT D  END | 10 REM \* PROGRAM TO ARRANGE NUMBERS \*  20 CLS  30 PRINT TAB(25)“NUMBERS IN DESCENDING ORDER”  40 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~”  50 FOR D = 28 TO 3 STEP -5  60 PRINT TAB(38); D  70 NEXT D  80 PRINT TAB(25) STRING$(26, “~”)  90 END |

***PRACTICAL-6 (a)***

*OBJECT:* Write a generalized program to prepare a Multiplication Table up till ten times

|  |  |
| --- | --- |
| START  INPUT; N  FOR M = 1 TO 10  PRINT;N;”\*”;M;”=”;N\*M  NEXT M  END | 10 REM \* PROGRAM TO PREPARE MULTIPLICATION TABLE \*  20 CLS  30 INPUT “NUMBER FOR TABLE”; N  40 CLS  50 PRINT “TABLE OF ……………:”; N  60 PRINT  70 FOR M = 1 TO 10  80 PRINT N; “\*”; M; “ = “; N \* M  90 NEXT M  100 END |

***PRACTICAL-6 (b)***

*OBJECT:* Write a generalized program to find the Average of given four numbers.

|  |  |
| --- | --- |
| START  INPUT; N1  INPUT; N2  INPUT; N3  INPUT; N4  AVG=(N1+N2+N3+N4)/4  PRINT; N1  PRINT; N2  PRINT; N3  PRINT; N4  PRINT; AVG  END | 10 REM \* PROGRAM TO FIND THE AVERAGE OF NUMBERS \*  20 CLS  30 INPUT “ENTER FIRST NUMBER----------- ”; N1  40 INPUT “ENTER SECOND NUMBER------- ”; N2  50 INPUT “ENTER THIRD NUMBER---------- ”; N3  60 INPUT “ENTER FOURTH NUMBER------- ”; N4  70 AVG = (N1 + N2 + N3 + N4) / 4  80 PRINT TAB(25)“FIRST NUMBER--------------- ”; N1  90 PRINT TAB(25)“SECOND NUMBER----------- ”; N2  100 PRINT TAB(25)“THIRD NUMBER-------------- ”; N3  110 PRINT TAB(25)“FOURTH NUMBER----------- ”; N4  120 PRINT  130 PRINT TAB(25)“AVERAGE OF FOUR NUMBERS----“; AVG  140 END |

***PRACTICAL-7***

*OBJECT:* Write a generalized program to Convert.

(a) Fahrenheit into Centigrade (b) Centigrade into Fahrenheit

|  |  |
| --- | --- |
| (a) Fahrenheit into Centigrade  START  INPUT; F  C=5/9\*(F-32)  PRINT F; C  END | 10 REM \* PROGRAM TO CONVERT TEMPERATURE \*  20 CLS  30 INPUT “ENTER TEMPERATURE IN FAHRENHEIT\_\_\_”; F  40 C = 5 / 9 \* (F-32)  50 CLS  60 PRINT ; F; “FAHRENHEIT IS EQUAL TO”; C; “CENTIGRADE”  70 END |

|  |  |
| --- | --- |
| (b) Centigrade into Fahrenheit  START  INPUT; C  F=9/5\*C+32  PRINT C; F  END | 10 REM \* PROGRAM TO CONVERT TEMPERATURE \*  20 CLS  30 INPUT “ENTER TEMPERATURE IN CENTIGRADE \_\_\_”; C  40 F = 9 / 5 \* C + 32  50 CLS  60 PRINT ; C; “CENTIGRADE IS EQUAL TO”; F; “FAHRENHEIT”  70 END |

***PRACTICAL-8***

*OBJECT:* Write a generalized program to prepare Electricity Bill.

|  |  |
| --- | --- |
| START  INPUT; CN$  INPUT; MN$  INPUT; PV  INPUT; PV  UC = PR - PV  AMT = UC \* 1.25  PRINT; CN$  PRINT; MN$    PRINT; PV  PRINT; PR  PRINT; UC  PRINT; AMT  END | 10 REM \* PROGRAM TO PREPARE ELECTRICITY BILL \*  20 CLS  30 INPUT “ENTER CONSUMER NAME ------ ”; CN$  40 INPUT “ENTER METER NUMBER--------- ”; MN$  50 INPUT “ENTER PREVIOUS READING---- ”; PV  60 INPUT “ENTER PRESENT READING------ ”; PR  70 UC = PR- PV  80 AMT = UC \* 1.25  90 CLS  100 PRINT TAB(30)“ELECTRICITY BILL”  110 PRINT TAB(30)“-------------------------- ”  120 PRINT  130 PRINT TAB(20)“CONSUMER NAME------ ”; CN$  140 PRINT TAB(20)“METER NUMBER-------- ”; MN$  150 PRINT TAB(20)“PREVIOUS READING----“; PV  160 PRINT TAB(20)“PRESENT READING------“; PR  170 PRINT : PRINT  180 PRINT TAB(20) “UNIT CONSUMED----------“; UC  190 PRINT TAB(20) “AMOUNT CHARGED------“; AMT  200 END |

***PRACTICAL-9***

*OBJECT:* Write a generalized program to prepare an Employee’s Salary Sheet.

|  |  |
| --- | --- |
| START  INPUT; EN$  INPUT; D$  INPUT; BS  INPUT; TA  INPUT; TD  GS = BS + TA  NS = GS - TD  PRINT; EN$  PRINT; D$  PRINT; BS  PRINT; TA  PRINT; TD  PRINT; GS  PRINT; NS  END | 10 REM \* PROGRAM TO PREPARE SALARY SHEET \*  20 CLS  30 INPUT “ENTER EMPLOYEE’S NAME ---- ”; EN$  40 INPUT “ENTER DESIGNATION------------ ”; D$  50 INPUT “ENTER BASIC SALARY----------- ”; BS  60 INPUT “ENTER TOTAL ALLOWANCES-- ”; TA  70 INPUT “ENTER TOTAL DEDUCTION----- ”; TD  80 GS = BS+ TA  90 NS = GS- TD  100 CLS  110 PRINT TAB(30)“EMPLOYEE’S SALARY SHEET”  120 PRINT TAB(30)“----------------------------------------- ”  130 PRINT  140 PRINT TAB(20)“EMPLOYEE’S NAME ---- ”; EN$  150 PRINT TAB(20)“DESIGNATION------------ ”; D$  160 PRINT TAB(20)“BASIC SALARY----------- ”; BS  170 PRINT TAB(20)“TOTAL ALLOWANCES-- ”; TA  180 PRINT TAB(20)“TOTAL DEDUCTION----- ”; TD  190 PRINT : PRINT  210 PRINT TAB(20)“GROSS SALARY----------- ”; GS  220 PRINT TAB(20)“NET SALARY--------------- ”; NS  230 END |

***PRACTICAL-10***

*OBJECT:* Write a generalized program to prepare a Marks sheet of Five subjects with Percentage.

|  |  |
| --- | --- |
| START  INPUT; SN$  INPUT; RN  INPUT; E  INPUT; S  INPUT; C  INPUT; CH  INPUT; P  MO=E+S+C+CH+P  PER=(MO\*100)/425  PRINT; SN$  PRINT; RN  PRINT; E  PRINT; S  PRINT; C  PRINT; CH  PRINT; P  PRINT; GS  PRINT; NS  END | 10 REM \* PROGRAM TO PREPARE MARKS SHEET \*  20 CLS  30 INPUT “ENTER STUDENT’S NAME ------ ”; SN$  40 INPUT “ENTER ROLL NUMBER ----------- ”; RN  50 INPUT “ENTER MARKS IN ENGLISH----- ”; E  60 INPUT “ENTER MARKS IN SINDHI-------- ”; S  70 INPUT “ENTER MARKS IN COMP: STUD- ”; C  60 INPUT “ENTER MARKS IN CHEMISTRY-- ”; CH  70 INPUT “ENTER MARKS IN PAK: STUD---- ”; P  80 MO = E + S + C + CH + P  90 PER = (MO \* 100) / 425  100 CLS  110 PRINT TAB(30)“MARKS SHEET”  120 PRINT TAB(30)“-------------------- ”  130 PRINT  140 PRINT TAB(20)“STUDENT’S NAME ------ ”; SN$  150 PRINT TAB(20)“ROLL NUMBER------------ ”; RN  160 PRINT TAB(20)“MARKS IN ENGLISH-------- ”; E  170 PRINT TAB(20)“MARKS IN SINDHI----------- ”; S  180 PRINT TAB(20)“MARKS IN COMP:STUD--- -”; C  190 INPUT TAB(20)“MARKS IN CHEMISTRY---- ”; CH  200 INPUT TAB(20)“MARKS IN PAK: STUD------ ”; P  210 PRINT : PRINT  220 PRINT TAB(20)“MARKS OBTAINED------------- ”; MO  230 PRINT TAB(20)“PERCENTAGE-------------------- ”; PER  240 END |