***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 CLS30 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 PRINT120 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 CLS30 INPUT “ENTER YOUR GOOD NAME ========>”; N$40 CLS50 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 1090 PRINT TAB(38); A; N$100 NEXT A110 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 CLS30 INPUT “ENTER YOUR GOOD NAME ========>”; N$40 CLS50 PRINT TAB(25)“PRINTING OF NAME TEN TIMES”60 PRINT TAB(25)“BY USING IF-THEN STATEMENT”70 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~”80 A = A + 190 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 CLS30 PRINT “NUMBERS”, “SQUARE”, “CUBE”40 PRINT “~~~~~~~~~”, “~~~~~~~~”, “~~~~”50 FOR N = 1 TO 1060 PRINT N, N^2, N^370 NEXT N80 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 CLS30 PRINT “NUMBERS”40 PRINT “~~~~~~~~~”50 FOR N = 1 TO 1060 SUM = SUM + N 70 PRINT N80 NEXT N90 PRINT TAB(30); “---------“100 PRINT “SUM OF FIRST TEN NATURAL NUMBERS IS “;SUM110 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 CLS30 PRINT TAB(25)“NUMBERS IN ASCENDING ORDER”40 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~~”50 FOR A = 3 TO 28 STEP 560 PRINT TAB(38); A70 NEXT A80 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 CLS30 PRINT TAB(25)“NUMBERS IN DESCENDING ORDER”40 PRINT TAB(25)“~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~”50 FOR D = 28 TO 3 STEP -560 PRINT TAB(38); D70 NEXT D80 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 CLS30 INPUT “NUMBER FOR TABLE”; N40 CLS50 PRINT “TABLE OF ……………:”; N60 PRINT70 FOR M = 1 TO 10 80 PRINT N; “\*”; M; “ = “; N \* M90 NEXT M100 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 CLS30 INPUT “ENTER FIRST NUMBER----------- ”; N140 INPUT “ENTER SECOND NUMBER------- ”; N250 INPUT “ENTER THIRD NUMBER---------- ”; N360 INPUT “ENTER FOURTH NUMBER------- ”; N470 AVG = (N1 + N2 + N3 + N4) / 4 80 PRINT TAB(25)“FIRST NUMBER--------------- ”; N190 PRINT TAB(25)“SECOND NUMBER----------- ”; N2100 PRINT TAB(25)“THIRD NUMBER-------------- ”; N3110 PRINT TAB(25)“FOURTH NUMBER----------- ”; N4120 PRINT 130 PRINT TAB(25)“AVERAGE OF FOUR NUMBERS----“; AVG140 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 CLS30 INPUT “ENTER TEMPERATURE IN FAHRENHEIT\_\_\_”; F40 C = 5 / 9 \* (F-32)50 CLS60 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 CLS30 INPUT “ENTER TEMPERATURE IN CENTIGRADE \_\_\_”; C40 F = 9 / 5 \* C + 3250 CLS60 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 CLS30 INPUT “ENTER CONSUMER NAME ------ ”; CN$40 INPUT “ENTER METER NUMBER--------- ”; MN$50 INPUT “ENTER PREVIOUS READING---- ”; PV60 INPUT “ENTER PRESENT READING------ ”; PR70 UC = PR- PV80 AMT = UC \* 1.2590 CLS 100 PRINT TAB(30)“ELECTRICITY BILL”110 PRINT TAB(30)“-------------------------- ”120 PRINT130 PRINT TAB(20)“CONSUMER NAME------ ”; CN$140 PRINT TAB(20)“METER NUMBER-------- ”; MN$150 PRINT TAB(20)“PREVIOUS READING----“; PV160 PRINT TAB(20)“PRESENT READING------“; PR170 PRINT : PRINT180 PRINT TAB(20) “UNIT CONSUMED----------“; UC190 PRINT TAB(20) “AMOUNT CHARGED------“; AMT200 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 CLS30 INPUT “ENTER EMPLOYEE’S NAME ---- ”; EN$40 INPUT “ENTER DESIGNATION------------ ”; D$50 INPUT “ENTER BASIC SALARY----------- ”; BS60 INPUT “ENTER TOTAL ALLOWANCES-- ”; TA70 INPUT “ENTER TOTAL DEDUCTION----- ”; TD80 GS = BS+ TA90 NS = GS- TD100 CLS 110 PRINT TAB(30)“EMPLOYEE’S SALARY SHEET”120 PRINT TAB(30)“----------------------------------------- ”130 PRINT140 PRINT TAB(20)“EMPLOYEE’S NAME ---- ”; EN$150 PRINT TAB(20)“DESIGNATION------------ ”; D$160 PRINT TAB(20)“BASIC SALARY----------- ”; BS170 PRINT TAB(20)“TOTAL ALLOWANCES-- ”; TA180 PRINT TAB(20)“TOTAL DEDUCTION----- ”; TD190 PRINT : PRINT210 PRINT TAB(20)“GROSS SALARY----------- ”; GS220 PRINT TAB(20)“NET SALARY--------------- ”; NS230 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 CLS30 INPUT “ENTER STUDENT’S NAME ------ ”; SN$40 INPUT “ENTER ROLL NUMBER ----------- ”; RN50 INPUT “ENTER MARKS IN ENGLISH----- ”; E60 INPUT “ENTER MARKS IN SINDHI-------- ”; S70 INPUT “ENTER MARKS IN COMP: STUD- ”; C60 INPUT “ENTER MARKS IN CHEMISTRY-- ”; CH70 INPUT “ENTER MARKS IN PAK: STUD---- ”; P80 MO = E + S + C + CH + P90 PER = (MO \* 100) / 425100 CLS 110 PRINT TAB(30)“MARKS SHEET”120 PRINT TAB(30)“-------------------- ”130 PRINT140 PRINT TAB(20)“STUDENT’S NAME ------ ”; SN$150 PRINT TAB(20)“ROLL NUMBER------------ ”; RN160 PRINT TAB(20)“MARKS IN ENGLISH-------- ”; E170 PRINT TAB(20)“MARKS IN SINDHI----------- ”; S180 PRINT TAB(20)“MARKS IN COMP:STUD--- -”; C190 INPUT TAB(20)“MARKS IN CHEMISTRY---- ”; CH200 INPUT TAB(20)“MARKS IN PAK: STUD------ ”; P210 PRINT : PRINT220 PRINT TAB(20)“MARKS OBTAINED------------- ”; MO230 PRINT TAB(20)“PERCENTAGE-------------------- ”; PER240 END |