**1 Write a program to print COMPUTER on one line and Develearn on the next line**

**2 write a program to calculate and print basic, da, hra, total, tax. Given basic=1000.50. Calculate da as 50% of basic, hra as 20% of basic , total as basic+da+hra and tax as 10% of total.**

**3 WAP to calculate and print the area of a triangle with base as 5 and height 10 as hint: area = 1/2 b h**

**4 WAP a program to input the base and height of triangle. Calculate and print the area**

**5 WAP a program to input lengths of 3 sides of a triangle and print the area**

**Area = s(s-a)(s-b)(s-c) and s = a+b+c/2**

**6 WAP to convert temperature in Fahrenheit into centigrade using the formula c=5/9(f-32) and print the area**

**7 WAP to accept in hours, minutes and seconds and then calculate and print the time in seconds**

**8 WAP to accept 2 numbers. Interchange the two numbers and then print them.**

**9 WAP to input height in feet and inches and then print the corresponding height in centimetres**

**Hint: 1 foot = 12 inches, 1 inch = 2.54 cms.**

**-----------X-----------------------------X----------------------------------**

**10 WAP a program to input the marks of a student and print the result PASS or FAIL. If marks are less than 35, result is FAIL. If marks are 35 or more result is PASS.**

**11 WAP to input bill no. and sales amount. Display bill no., sales amount, sales tax and net amount. sales tax is 5% of sales, if sales is upto 5000 otherwise 10%**

**12 WAP a program to accept employee number (en) and basic salary(bs) from the keyboard. calculate and display dearness allowance (da) as 63% of basic salary, house rent allowance (hra) as 40% of basic salary, special allowance(sa) as 15% of basic salary whenever basic salary is over rs 3500,otherwise no special allowance is to be given, gross salary(gs) is bs+da+hra+sa.**

**13 WAP a program to input a number and then print with a suitable message whether it is divisible by 17 or not**

**14 WAP a programs to input a number and print weather it is Odd or Even.**

**-----------X------------------------X---------------------X----------------------------**

**If.....else If.....else Questions**

**15 write a program to input the marks of a student print the result as follows**

**Marks result**

**Less than 35 = Fail**

**35 or more but less than 45 = Pass class**

**45 or more but less than 60 = 2nd class**

**60 or more but less than 75 = 1st class**

**75 or more but less than 90 = distinction**

**90 or more = merit**

**If the marks are less than 0 or greater than 100, print INVALID Marks**

**16 The rate of interest varies as per the amount of loan taken as shown below**

**Amount of loan taken rate of interest**

**below 10000 = 5%**

**10000 - 50000 = 7%**

**above 50000 = 10%**

**input the amount of loan calculate and print the simple interest for 10 years**

**17 A wholesaler offers discount as follows:**

**If order amount is not exceeding Rs. 10000 then discount rate is 5% If order amount exceed Rs 10000 but not exceeding Rs 25000 then discount rate is 10% if order amount exceed Rs. 25000 then discount rate is 15% write a program to input item number, quantity ordered, unit price and then print item number, order amount, discount and net amount.**

**18 write a program to input the gross income (gi), the rate of income tax (itax), is as per following schedule**

**Gross Income Rate Of Income Tax**

**First 100000 = Nil**

**Next 50000 = 10%**

**Next 100000 = 20%**

**Excess = 30%**

**Calculate and print gross income, income tax and net income (ni) with appropriate message, where net income = gross income - income tax.**

**19 write a program to input bil number (bno) and sales amount (sales) calculate sales tax (stax) as follows**

**Sales = Sales Tax**

**First 3500 = 2.5%**

**Next 5000 = 3.75%**

**Next 7500 = 4.25%**

**Excess = 5%**

**Also include statements to print the details of bill number, sales amount, sales tax and total amount (tamt).**

**20 Electricity charges are computed as follows**

**Unit Consumed Rate per unit**

**First 100 unit minimum Rs. 50**

**next 500 unit 70 paise per unit**

**next 1000 unit 80 paise per unit**

**excess 90 paise per unit**

**If the bill amount exceeds Rs. 1000 a surcharge of 10% of amount exceeding Rs 1000 is added to the bill amount. Write a program to input consumer number and units consumed and then print consumer number, unit consumed, and bill amount.**

**--------------X---------------X-----------------X------------------------------**

**Programs based on SWITCH Statement**

**21 wages of workers are to be calculated as follows**

**Category 1 2 3 4**

**Rate per hour 10 8 6.50 3.50**

**Input the workers no., category and hours worked. Calculate and print the wages.**

**22 the traffic police department takes the following action against owners of motor vehicles who have committed parking violation**

**No. of violations Action**

**1 or 2 Polite Warning**

**3 Strong Warning**

**4 or 5 Send to Collection Agency**

**6 or more Revoke Registration**

**Write a program to input registration no. and no. of violations and then print registration no. and appropriate action**

**23 Write a program to input an alphabet from a keyboard. Check whether the alphabet is a vowel and then print "ALPHABET IS A VOWEL" otherwise print "ALPHABET IS A CONSONANT".**

**-----------X---------------X---------------X---------------X------------**

**Program Based On String**

**24 write a program to input name and total sales of a salesman and then print name and commission, where commission is 4% of total sales.**

**25 write a program to input name, hours worked and rate and then display name and wages**

**------X-----------X------------X-------------X------------X-----------**

**Programs based on loops**

**26 write three separate programs to print TYB-COM 5 times using all the 3 loops**

**27 WAP to print number from 100 to 1. Print 10 numbers on each line**

**28 WAP to print all odd integers from 13 to 69. Print 8 integers on each line**

**29 WAP to find and print the sum and product of first 5 natural number**

**30 WAP to find and print the factorial of 4.**

**Hint 4! = 1 X 2 X 3 X 4**

**31 write a program to print the sum of all even numbers from 10 to 100**

**32 WAP three separate programs, using three loops, to calculate the sum of 1 + 3 + 5 +….....+ 115**

**33 WAP to find and print the sum of 12 + 22 + 32 + ……... + 152.**

**34 WAP to find and print the sum of 20 + 21 + 22 + ………. + 210.**

**35 WAP to find and print the sum of 12 + 23 + 34 + ……... + 56.**

**36 WAP to find and print the sum of 2x5 + 5x9 + 8x13 + ………. + 29x41**

**37 WAP to find and print the sum of 1.3 + 3.5 + 5.7 + …….+19.21**

**38 WAP to find and print the sum of 22.5 + 32.6 + 42.7 + ………+322.35**

**39 WAP to find and print the sum of 23x3 + 43x7 + 63x11 + ………+ 203x39**

**40 WAP to find and print the sum of 1x2x3 + 3x4x5 + 5x6x7 + ……..+ 21x22x23**

**41 WAP to find and print the sum of**

**42 WAP to find and print the sum of**

**43 WAP to find and print the sum of**

44 **WAP** **to find and print the sum of**

**45 WAP to find and print the sum of**

**46 WAP to find and print the sum of**

**---------X-----------X------------X----------------X--------------X------------X---------**

**Program based on Loops [To print Table or Report ]**

**47 WAP to print multiplication table for 7 from 1 to 10**

**48 WAP to print a table showing numbers from 10 to 25 their square and square root**

**49 WAP to print a table from 1 to 20 their square root and reciprocal**

**50 WAP to print a table of conversion from feet to inches for feet ranging 1 to 20 (hint: 1 feet = 1.6 inches)**

**--------X---------------X---------------X-------------X--------------X--------------X--------------X----------**

**Programs based on Sorting**

**51 WAP to input the marks of 5 students in a test. Print the marks in original order. Arrange the marks in Ascending Order and then print then in ascending as well as descending order.**

**52 WAP to read the marks of 5 students which are as follows 88, 72,75,91,63. Arrange these marks in ascending order and then print them in ascending as well as descending order**

**52 WAP to input phone number of 10 of your frnds and print the list with proper heading such that the number appear in the ascending order**