The Mandvi Education Society Institute of Business Management & Computer Studies

Master of Computer Applications
Semester-I

Subject Name : Programming Skills-I (PS-I-FOP)

Subject Code : 2610006

Sr. No.	Program Definition
1	WAP to convert the distant given in kilometers into meters, centimeters, inches and feet.
2	WAP to convert the time given in hours into minutes and seconds
3	WAP to find the area of circle.
4	WAP to find the area of circumference
5	WAP to find the area of triangle
6	WAP to find the area of rectangle
7	WAP to find the area of equilateral triangle.
8	WAP to find the area of right angled triangle.
9	WAP to find the area of trapezium.
10	WAP to find the area of rhombus.
11	WAP to find the area of parallelogram.
12	WAP to find the volume and surface area of cylinder.
13	WAP to find the perimeter of a circle, rectangle and triangle.
14	WAP to swap two numbers
15	WAP to accept number of days and print year, month and remaining days.
16	WAP to swap two numbers without using third varialbe.
17	WAP to perform arithmetic operations like addition, subtraction, multiplication, division and square.
18	WAP to find whether given number is negative or zero or postive.
19	WAP to find whether the number entered is prime or not prime.
20	WAP to find whether the number entered is even or odd.
21	WAP to check given number is armstrong number or not.
22	WAP to find the largest number among the three numbers.
23	WAP to find the smallest number among the three numbers.
24	WAP to find the second largest number among the five numbers.

25	WAP that accept basic, HRA, and convergence from the user and calculate total salary.
26	WAP to find the second smallest number among the five numbers.
27	WAP to accept name of student, roll no, enter marks for five subjects. Find the toal and percentage.
28	WAP to accept name of student, roll no, enter marks for five subjects. Find the toal, percentage and result as per the following criteria. percentage above 70 RESULT : "Distinction" percentage between 69 and 60 RESULT : "First Class" percentage between 59 and 50 RESULT : "Second Class" percentage between 49 and 40 RESULT : "Pass Class" Student Failed in less than or equal to two subjects RESULT : "ATKT" Student Failed in more than two subjects RESULT : "FAIL"
29	Write a menu driven program to perform arithmetic operations. 1. Addition 2. Subtraction 3. Multiplication 4. Division 5. Modulus
30	Calculate the comission of a salesman considering three regions X,Y and Z depending on the sales amount as follow.
31	WAP to print the odd numbers from 1 to n.
32	WAP to print the even numbers from 1 to n.
33	WAP to sum the first n integer number.
34	WAP to print the multiplication table of given number n.
35	WAP to print the fibonacci series.
36	WAP to find the factorial of given number.
37	WAP to print the given pattern n=5 1 2 2 3 3 3 4 4 4 4 5 5 5 5 5

38	WAP to print the given pattern if n=5 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5
39	WAP to print the given pattern if n=5 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
40	WAP to print the given pattern if n=5 1 2 1 3 2 1 4 3 2 1 5 4 3 2 1
41	WAP to print the given pattern if n=5 1 1 2 1 1 2 3 2 1 1 2 3 4 3 2 1 1 2 3 4 5 4 3 2 1
42	WAP to print the given pattern if n=5 5 4 3 2 1 5 4 3 2 5 4 3 5 4 5
43	WAP to print the given pattern if n=5

	
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47	WAP to print the given pattern if n=5 
48	WAP to print the given pattern If n = 5 
49	WAP to print the given pattern for example :

	N = D A B B C C C D D D D
50	WAP to print the given pattern for example : N = D A A B A B C A B C D
51	WAP to print the given pattern for example: N = D A B C D A B C A B A
52	WAP to print the given pattern for example: N = D A A B A A B C B A A B C D C B A
53	WAP to create a UDF to build a menu driven program to perform arithmetic operations 1. Addition(int,int) 2. Subtraction(int, int) 3. Multiplication(float, float) 4. Division(int, int) 5. Modulo(int) 6. Square root(int) 7. Power(int,int)
54	WAP to create a UDF to build a menu driven program to convert the distance into different distance units 1. Convert kilometre into meter 2. Convert kilometre into centimetre 3. Convert kilometre into feet 4. Convert kilometre into inches
55	WAP to perform various operations on an one-dimensional array 1. Insert 2. Delete 3. Search 4. Replace 5. Update (on basis of element's index value) 6. Ascending Order 7. Descending Order Note : For each operation define a UDF.
56	WAP to create UDF on the string operation Xstrlen, xstrcpy, xstr
57	WAP to reverse a string using recursion in c

58	WAP to compare two strings in c without using in-built strcmp
59	WAP to create the user-define data type student with the following members name, id, marks of three subjects, percentage and perform following operations. 1) Find the percentage of each student 2) List the top five students 3) List the top five students of math subject Create user define function for each operation
60	Define a structure called cricket that will describe the following information: Player name, team name, batting average Using cricket, declare an array player with 20 elements and write a program to read the information about all the 20 players and print a team-wise list containing names of players with their batting average.
61	WAP to create singly linked list with following operations 1) Add new node 2) Delete node from specific location or value 3) Update node 4) Count node 5) Reverse list
62	WAP to create doubly linked list with following operations 1) Add new node 2) Delete node from specific location or value 3) Update node 4) Reverse list
63	WAP to copy the contents of one file into another.
64	WAP that appends one file at the end of another.
65	WAP to create a file student.txt to store the student information like name, id, mobile, city 1) Add Record 2) Delete Record 3) Update Record