Assignment List

Sl. No.	Topic of Assignment	CO	PO and PSO mapping
1.	Write a program to calculate Simple Interest of a principle amount, rate of interest and time as inputs.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
2.	Write a program to calculate division of a student where Division 1: marks>=75% Division 2: marks= 65% Division 3: marks=50% Failed: marks	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
3.	Write a program to find the maximum of Three Integer.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
4.	Write a program to find the factorial of a number n (take input).	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2

5.	Write a program to print the terms of Fibonacci series. Given F1=0, F2=1.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
6.	Write a program which will take a number as input prints it is prime or not.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
7.	Write a program to reverse the digits of a number i.e. if input is 23456, output should be 65432.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
8.	Write a program to find the HCF of two numbers.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
9.	Write a program which converts a binary number (input) to corresponding integer.	MCA 193.1	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
10.	Write a program to calculate the sum of the series: S= 1! +2! + ... + n!	MCA 193.1	PO_1, PO_2, PO_3, PO_4

			PSO$_1$, PSO$_2$
11.	Write a program to print the following pattern (Number of row is input): * * * * * * * * * * * * * * * * * * * * * * * * *	MCA 193.1	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
12.	Write a program to print the following pattern (Number of row is input): 1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4	MCA 193.1	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$

13.	Write a program to create an array of n elements and then print maximum and minimum elements from that array.	MCA 193.3	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
14.	Write a program to create a 2D array of integers print the minimum elements of each row.	MCA 193.3	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
15.	Write a program to enter 2 matrices and add them in another matrix and print the resultant matrix.	MCA 193.3	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
16.	Write a program to input a string and check whether the string is palindrome or not without reversing the string.	MCA 193.2	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
17.	Write a program to find factorial value of any input through the keyboard .Use function to calculate factorial.	MCA 193.2	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$
18.	Write a program to find factorial using recursion.	MCA 193.2	PO$_1$, PO$_2$, PO$_3$, PO$_4$ PSO$_1$, PSO$_2$

19.	Write a program which will create a structure of students with following information name, rollno, stream, year, and phone. Create a list of students. Show the details of a student with any of the following information provided by user: i) name ii) phone_no	MCA 193.3	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
20.	Create a structure for STUDENT with following members (sno ,sname ,sub1 ,sub2, sub3, total, percentage). Enter 10 students' details. Print the student details who has highest and lowest percentage.	MCA 193.3	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2
21.	Write a program to create a file and display the content of the file.	MCA 193.4	PO_1, PO_2, PO_3, PO_4 PSO_1, PSO_2