Computer Science & Engineering
E1- SEM-I
PPS LAB WEEK – IV

Intructions :
For each program maintain a document as follows.

i. In Lab observation notes
    a. Problem statement
    b. Pseudo code
    c. Evaluate Pseudo code for correctness.

ii. In soft copy (document)
    a. problem statement
    b. C- program (free from syntax and logical errors)
    c. Input and Output (Screen shot)
    d. Observations (if any)

iii. All the inputs required for the program must be read from key board.

1. Write a program to print factorial of all numbers below given range.
    Sample input : 10
    Output: Fact(1) = 1
              Fact(2) = 2
              Fact(3)= 6
              :::::::::: ::

2. Write a C program to calculate the following
        i.sum=$1-x^2/2! +x^4/4!-x^6/6!+x^8/8!-x^{10}/10!+$………..,
        ii.sum=$x-x^3/3!+x^5/5!$.........................,
        iii.sum=$1+x/1!+x^2/2!+x^3/3!$...............,

3. Write a C program to find the roots of a Quadratic equation.

4. Given as input three integers representing a date as day, month, year, print the number day, month and year for the next day's date.
Typical input: "28 2 1992" Typical output: "Date following 28:02:1992 is 29:02:1992"

5. Write programs to print following patterns for any given 'N'.

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1 21 321 4321 54321	1 00 111 0000 11111	* ** *** **** ***** **** *** ** *
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