**ASSIGNMENT 4 Series and Patterns**

**(LOOPS)**

**TO BE DONE IN THE ASSINMENT FILE**

1. WAP to display finonacci series upto n terms

e. g

0,1,1,2,3,5…..n

1. WAP to display the following series

1,8,27,64……………..n

1. WAP to find the sum of following series and display.

1+ ½+ 1/3 + ¼ + 1/5 + 1/6…..1/n



cos x = 1 - x2/2! + x4/4! - x6/6! .....

1. Write a program to print following:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **i)** | \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\* | **ii)** | \* \*\* \*\*\* \*\*\*\* \*\*\*\*\* | **iii)** | \*       \*\*     \*\*\*   \*\*\*\* \*\*\*\*\* |
| **iv)** | \*       \*\*\*     \*\*\*\*\*   \*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\* | **v)** | **1       222     33333   4444444 555555555** | **vi)** | **1       212     32123   4321234 543212345** |

Vii A

AB

ABC

ABCD

ABCDE

………..N