Practice Set-13: Looping Statements

1. Write a program to **display** the **Fibonacci series** of N terms, the value of N should be accepted from user?

2. Write a program to **evaluate** the expression $\mathbf{x-x^2+x^3-x^4+}$.....up to N terms, the value of x and N should be accepted from user?

3. Write a program to **evaluate** the expression **1!-2! +3!-4!-5! +**.....up to N terms, the value of N should be accepted from user?

4. Write a program to **evaluate** the expression $\mathbf{1\div x^1-2\div x^2+3\div x^3-}$.....up to N terms, the value of x and N should be accepted from user

5. Write a program to accept 2 numbers from user find and **display** the **HCF & LCM** of the given numbers?

6. Write a program to **display** the **sum** of first N **prime numbers**, the value of N should be accepted from user?

7. Write a program to **display** the list of first N **perfect numbers**, the value of N should be accepted from user?

8. Write a program to accept a number from keyboard, **check** and display the message whether it is an **Armstrong number** or not?

9. Write a program to **draw** and **display** the following shapes in different colors: -