

# ***Basic Number series problems in C***

**1) C program to find sum of all natural numbers.**

**Series:  $1+2+3+4+..N$**

**2) C program to find the sum of the square of all natural numbers from 1 to N.**

**Series:  $1^2+2^2+3^2+4^2+..N^2$**

**3) C program to find the sum of Natural Number/Factorial of Number of all natural numbers from 1 to N.**

**Series:  $1/1! + 2/2! + 3/3! + 4/4! + ... N/N!$**

**4) C program to find sum of following series:**

**$1 + 1/2 + 1/3 + 1/4 + 1/5 + .. 1/N$**

**5) C program to find sum of following series:**

**$1 + 3^2/3^3 + 5^2/5^3 + 7^2/7^3 + ... \text{till } N \text{ terms}$**

