

Registraion No: 219310279
Batch 1
Name : Akash Kumar Singh
Program 1: Program to find factorial of a number provided by the user.

In [5]:

```
n = int(input("Enter a number:"))  
fact = 1  
for i in range(2, n+1):  
    fact*=i  
print("Factorial of %d = %d"%(n,fact))
```

Enter a number:5
Factorial of 5 = 120

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Program 2: Program to find sum of natural numbers up to nth term.

In [6]:

```
n = int(input("Enter number of terms:"))  
sum=0  
for i in range(1,n+1):  
    sum+=i  
print("Sum of natural numbers till %d = %d"%(n,sum))
```

Enter number of terms:5
Sum of natural numbers till 5 = 15

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Program 3: Program to fibonacci sequence up to nth term.

In [12]:

```
n = int(input("Enter number of terms:"))  
first = 0  
second = 1  
print("Fibonacci Series:\n%d\t%d\t"%(first,second),end='')  
for i in range(n-2):  
    print(first+second,end='\t')  
    first,second = second,first+second
```

Enter number of terms:9
Fibonacci Series:
0 1 1 2 3 5 8 13 21