

22-09-2025

Q) WAP to find a factorial of given number

ex: $5! = 5*4*3*2*1 = 120$

```
A) num = int(input("enter a value:"))  
    fact = 1  
    for i in range(1,num+1,1):  
        # print("i=",i)  
        fact = fact*i  
    print(fact)
```

o/p:

```
1)enter a value: 5  
    120
```

Q2) WAP to calculate sum of number, sum of even number, sum of odd number from 1 to 10.

```
A) ts = 0  
    es = 0  
    os = 0  
    for i in range(1,11,1): #i = 1,2,3,...,10  
        ts = ts+i  
        if(i%2==0):  
            es = es+i  
        else:  
            os = os+i  
    print(f"total sum = {ts}, even sum = {es}, odd sum = {os}")
```

o/p:

total sum = 55, even sum = 30, odd sum = 25

Q3) print 1st 10 fibonacci number

```
A) a = 0
    b = 1
    s = 0
    for i in range(1,11,1):
        print(a)
        s = a+b
        a,b = b,s
```

o/p:

0
1
1
2
3
5
8
13
21
34