In [8]:
```
'''Q1. Wap to print the Square of first 10 number.'''
for i in range(1,11):#1,2,3
    print(i, '=',  i*i)
```

```
1 = 1
2 = 4
3 = 9
4 = 16
5 = 25
6 = 36
7 = 49
8 = 64
9 = 81
10 = 100
```

In [10]:
```
''''Q2. Wap to print the Multiplication table ,no.enter by user'''
n=int(input('Enter any number')) #5
for i in range(1,11):#1,2,3,4,5,6,7,8,9,10
    print(n,'*',i,'=', n*i)
''' output
5*1=5
5*2=10
5*10=50'''
```

```
Enter any number7
7 * 1 = 7
7 * 2 = 14
7 * 3 = 21
7 * 4 = 28
7 * 5 = 35
7 * 6 = 42
7 * 7 = 49
7 * 8 = 56
7 * 9 = 63
7 * 10 = 70
```

Out[10]:
```
' output   \n5*1=5\n5*2=10\n5*10=50'
```

In [11]:
```
#Q3. Wap to print the sum of first 10 or n number
n=int(input('Enter a number'))
s=0
for i in range(1,n+1):#1,2,3
    s=s+i# 1,1+2=3, 3+3=6
print('sum of n numbers',s )
```

```
Enter a number5
sum of n numbers 15
```

In [12]:
```
#Q4. Wap to print the sum of first Even or Odd numbers [1 to 10]
'''E.g evensum= 2+4+6+8
       oddsum=1+3+5+7+9'''
evensum=oddsum=0
for i in range(1,11):#1,2,3,4...10
    if i%2==0:
        evensum=evensum+i #2 ,6
    else:
        oddsum=oddsum+i #1 ,4
print("Sum of even number",evensum)
print("Sum of odd number",oddsum)
```

```
Sum of even number 30
Sum of odd number 25
```

In [13]:
```
#Q5.Wap to enter a number from the user  and print the factorial  of it
#eg. n=4 [1x2x3x4=24]
n=int(input('Enter a no.'))
f=1
for  i in range(1,n+1):#1,2,3,4
    f=f*i #1,2,6,24
print("Factorial of ",n,"is",f)
```

```
Enter a no.4
Factorial of  4 is 24
```

In [15]:
```
#Q6. Print the Fibonacci Series 0 1 1 2 3 5 8 of first 20 number
a=0
b=1
c=0
for i in range(1,21):#1,2
    print(c,end=' ')# 0,1,1 ,2 ,3
    a=b   #a=1, a=0, a=1, a=1, a=2
    b=c   #b=0, b=1, b=1, b=2, b=3
    c=a+b #1,   1 ,  2 ,   3,  5
```

```
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181
```

In [ ]:
```

```