Day - 08   Date : 12/09/2025

--> Practiced for loop examples.

1) write a prgm to print tables of number.

```
#multiplicationtable
num= int(input ("multiplication table of "))
for i in range (1, num, 1):
    product = num * i
    print ( f" {num} x {i} = {product}")
```

o/p -> multiplication table of 3
```
3 x 1 = 3
    :
3 x 10 = 30
```

2) write a prgm to calculate Sum of 1 to 10 number

```
S=0   #starts from 0  # 0+1 = 1
for i in range (1,11,1):
    S=S+i
    print (S)
```

o/p ->
```
1
3
:
55
```

3) write a program to count even num in 1 to 15

```
#n = int(input (" num = "))
count=0
for i in range(1,16,1):   # (1, n+1)
    if (i % 2 == 0):
        print ()   # Print (i)
        count = count +1
print (f" count = {count}")
```

o/p :
Start Rang : 1
end range 5
i = 1
n - count = 1
odd - count = 1

____/__/____

4. Write a prgm to count natural number,
even, odd number in given range

```
start = int(input("start range : "))
end = int(input("end range : "))
n_count = 0
even_count = 0
odd_count = 0
for i in range (start, end+1, 1):   #print("i=",i)
    if i > 0
        n_count = n_count +1
        print("natural number count : ", n_count)
    if i % 2 == =0):
        even_count = even count +1
        print("even count : ", even_count)
    else:
        odd_count = odd_count + 1
        print("odd count : ", odd_count)
```

5. write a program to find factorial

```
num = int(input("num="))
fact = 1
for i in range (1, n+1):
    fact = fact * i
print(f"factorial of {num} = {fact}")
```