

12 Sep :-

① Write a program to print tables of a given number

Sample o/p :-

2 x 1 = 2
2 x 2 = 4
.....
2 x 10 = 20

n = int(input())

for i in range(1, 11, 1):

Print(f"{n} x {i} = {n*i}")

2 x 1 = 2

2 x 2 = 4

2 x 10 = 20

Write a program to calculate sum of 1 to 10 numbers.

S = 0

for i in range(1, 11, 1):

S = S + i

Print(S)

1
2
6

21
36
45
55

③ write a program to count how many even number are there from 1 to 15

Count = 0

for i in range(1, 15, 2):

count = count + 1

Print(count)

1
2
3
4
5
6
7

i = 6
2 * 3

15 times (1) loop will repeat x 5

if (i % 2 == 0):

Print("i =", i)

Print("count =", count)

i = 6, 11, 1

count = 1

i = 4

count = 2

④ write program for how many numbers, how many even numbers, how many odd numbers are there in given range.

St = int(input())

er = int(input())

nc = 0

ec = 0

oc = 0

for i in range(St, er + 1):

Print("when i =", i)

nc = nc + 1

Print("nc =", nc)

if (i % 2 == 0):

ec = ec + 1

Print("ec =", ec)

else:

oc = oc + 1

Print("oc =", oc)

write a program to calculate factorial of given number.

Sample o/p

num = 5

fact = $5 \times 4 \times 3 \times 2 \times 1 = 120$

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num = int(input())
```

```
fact = 1
```

```
for i in range(num5, 0, -1):
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```
    fact = fact * i
```

```
Print (fact)
```

5

5

20

60

120

i = 5

fact = fact * i
1 * 5

fact = 5

i = 4

5 * 4

fact = 20

i = 3

20 * 3

fact = 60

i = 2

60 * 2

fact = 120