

12-09-2025, Friday

Write a program to print tables of given no.

```
x = int(input())
```

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

```
    print(f"{x} * {i} = {x * i}")
```

O/P

5 * 1	= 5
5 * 2	= 10
...	...

⇒ Write a program to print factorial of a given no.

```
num = int(input())
```

```
fact = 1
```

```
for i in range(1, num, 1):
```

```
    fact = fact * i
```

```
    print(fact)
```

5, 5 \* 4 \* 3 \* 2 \* 1 = 120

O/P

5
5
20
60
120

OR

```
for
```

```
    fact = fact * i
```

```
    print(fact)
```

O/P

5
120

⇒ WAP to calculate the sum of 1<sup>st</sup> 5 no.s.

```
S = 0
```

```
for i in range(1, 6, 1):
```

```
    S = S + i
```

```
    print(i)
```

O/P

1
3
6
10
15

⇒ WAP to calculate the sum of given range.

```
start = int(input("Enter start range:"))
```

```
end = int(input("Enter end range:"))
```

```
x = 0
```

```
for i in range(start, end + 1, 1):
```

```
    x = x + i
```

```
    print(x)
```

O/P

1
3
6
10
15

⇒ WAP to count no. of odd nos from 1 to 30

count = 0

for i in range(1, 31, 1)

if (i % 2 == 1):

count = count + 1

else:

count = count

print(count)

o/p is

OR count = 0

for i in range(1, 31, 2)

count = count + 1

print(count)

⇒ WAP to count total no. of values, no. of even, no. of odd within a range

start = int(input())

end = int(input())

n = 0

e = 0

o = 0

for i in range(start, end + 1, 1):

n = n + 1 # 1, 2, 3, ..., 10

if (i % 2 == 1):

o = o + 1 # 1, 3, 5, 7, 9

else:

e = e + 1 # 2, 4, 6, 8, 10

print(f"num of values {n} \n num of even {e} \n num of odd {o}")

o/p

1

10

num of values 10

num of even = 5

num of odd = 5

NOTE: WAP to find a leap year

year = int(input("Enter a year:"))

if (year % 400 == 0) @ (year % 4 == 0 and year % 100 != 0):

print(year, "is a leap year")

else:

print(year, "is not a leap year")