

15/9/2025 (Day - 9)

"write program for how many numbers how many even numbers how many odd numbers are there in given range"

• `sx = int(input())`

`ex = int(input())`

`nc = 0`

`ec = 0`

`oc = 0`

`for i in range(sx, ex+1, 1):`

`print("when i =", i)`

`nc = nc + 1`

`print("nc =", nc)`

`if (i % 2 == 0):`

L> `start num = 3`

`end num = 6`

`3, 4, 5, 6`

• `total nc = 4`

• `even ec = 2 → (4, 6)`

• `odd oc = 2 → (3, 5)`

over all program is just a counter program that checks num bet two inputs and tells how many are total, even and odd.

+ `sm = [38, 85, 90, 66, 72]`

`for i in sm:`

`esp = (i/150)*100`

`print(f"{i} the % is resp: {esp}%")`

loop statement:

* **break**: is used to stop a loop immediately
- even if the loop condition is not finished yet.

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

if (i == 5):

break

else:

print(i)

O/P: 1, 2, 3, 4

* **continue**: when i = 3, continue is executed, so
print(i) is skipped

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

if (i == 3):

continue

else:

print(i)

O/P: 1, 2, 4, 5, 6, 7, 8, 9, 10

* **while loop**:

A while loop keeps running as long as its
condition is true

if we use continue, it will skip the rest of that
iteration and go back to check the condition
again

sy:

intalization

while (condition):

statements

incrementation / deczementation

ex: name = "Rani"

i = 0

while (i < len(name)):

print(f'position {i} = value {name[i]}')

i = i + 1