

Day - 07

Date : 11/09/2025

→ Loops : Loops in python are used to execute a block of code repeatedly until a certain condition is met.

① for loop

② while loop

③ nested loop

* for loop inside for loop

* for loop inside while loop

* while loop inside for loop

* while loop inside while loop

→ ① for loop :

1) for loop with Sequence

- Syntax :

for variable in sequence :

statements

Ex: colours = ['red', 'white', 'black']

for i in colours:

print(i)

o/p : red

white

black

2) for in range

- range (start value, stop value, step size)

we have default start value 0

Step size is 1

range(1, 11, 1) \rightarrow range($i=1; i < 11; i+1$)

Ex: for i in range(1, 5, 1):

print(i)

o/p 1

2

3

4