

Practical No:06

Study of looping statements, WAP to print a table of the given no entered by user.

Python for loop

The **for loop in Python** is used to iterate the statements or a part of the program several times. It is frequently used to traverse the data structures like list, tuple, or dictionary.

The syntax of for loop in python is given below.

1. for iterating_var in sequence:
2. statement(s)

Example

1. i=1
2. n=int(input("Enter the number up to which you want to print the natural numbers?"))
3. for i in range(0,n):
4. print(i,end = ' ')

Output:

0 1 2 3 4 5 6 7 8 9

Python for loop example : printing the table of the given number

1. i=1;
2. num = int(input("Enter a number:"));
3. for i in range(1,11):
4. print("%d X %d = %d"%(num,i,num*i));

Output:

```
Enter a number:10
10 X 1 = 10
10 X 2 = 20
10 X 3 = 30
10 X 4 = 40
10 X 5 = 50
10 X 6 = 60
10 X 7 = 70
10 X 8 = 80
10 X 9 = 90
10 X 10 = 100
```

Result: We have successfully studied looping statements.