

Looping statements:

It is defined as execute the block of code repeatedly until the certain condition is met

They are:

- For loop-again in for loop ((for loop with sequence) and (for loop with range))
- While loop
- Nested loop

1.for loop with sequence:

Syntax:

For variable in sequence

2.for loop with range

Syntax:

For variable in range

Example:

```
for i in range(2,12,2):
```

```
    print(i)
```

output:

2

4

6

8

10

Program2:

```
a=int(input("enter the value:"))
```

```
for i in range(a):
```

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

```
        print(i,"=even number")
```

```
    else:
```

```
        print(i,"=odd number")
```

output:

enter the value: 10

0 =even number

1 =odd number

2 =even number

3 =odd number

4 =even number

5 =odd number

6 =even number

7 =odd number

8 =even number

9 =odd number

Ex:3

```
a="python"
```

```
for i in enumerate(a):
```

```
    print(i)
```

output:

(0, 'p')

(1, 'y')

(2, 't')

(3, 'h')

(4, 'o')

(5, 'n')

