

Range function:

The range() function in Python is used to generate a sequence of numbers. It allows you to specify the start, stop, and step size for the sequence. The basic syntax of the range() function is as follows:

range(start, stop, step)

Here, the start is included but the stop integer is not included.

Here are examples that demonstrates the usage of the range() function:

Example 1: Generate a sequence of numbers from 0 to 9

```
for i in range(10):
```

```
    print(i, end=' ')
```

Output: 0 1 2 3 4 5 6 7 8 9

Example 2: Generate a sequence of numbers from 1 to 10

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

```
    print(i, end=' ')
```

Output: 1 2 3 4 5 6 7 8 9 10

Example 3: Generate a sequence of even numbers from 0 to 20

```
for i in range(0, 21, 2):
```

```
    print(i, end=' ')
```

Output: 0 2 4 6 8 10 12 14 16 18 20