

for Loop

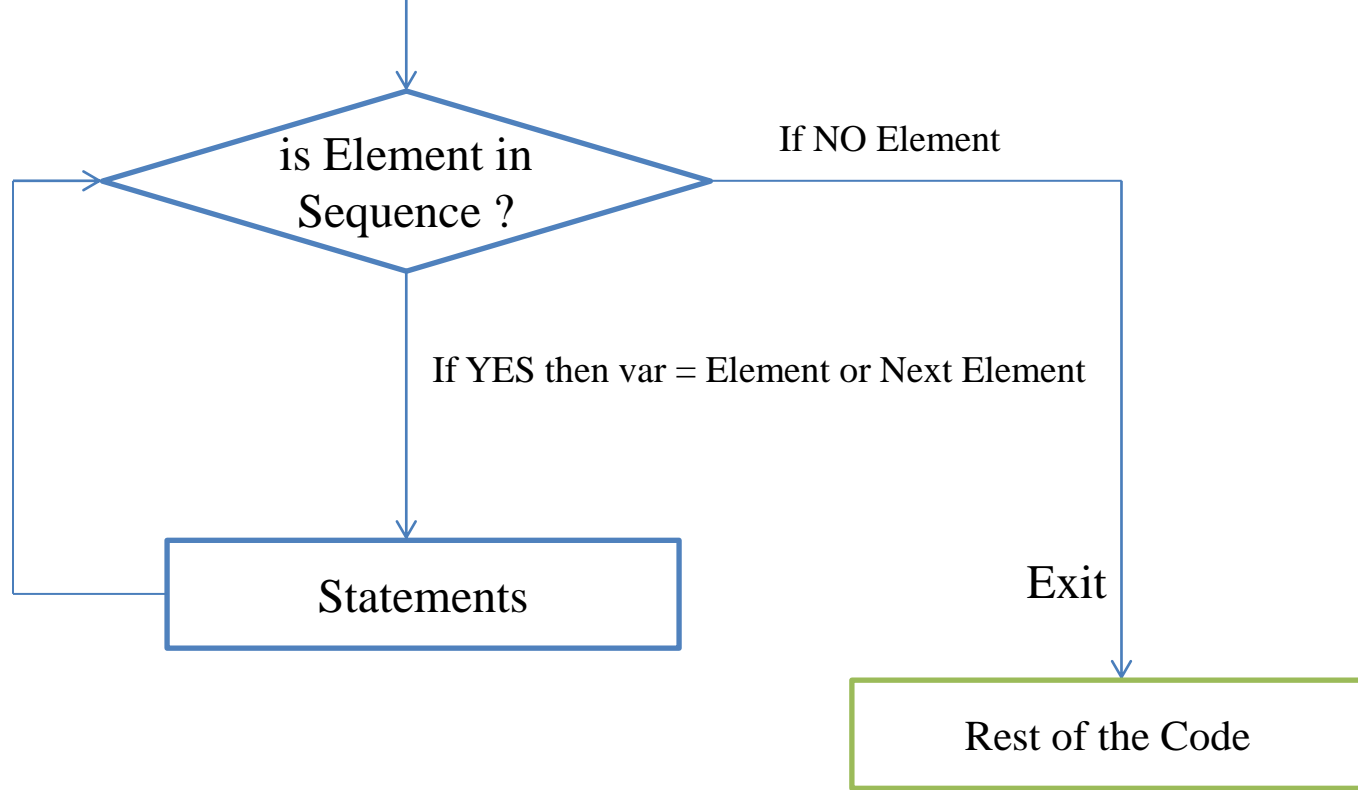
The for loop is useful to iterate over the elements of sequence such as string, list, tuple etc.

Syntax:

for var in sequence:

Statements

Rest of the Code



for Loop with Range

```
a = range(5)
```

```
for i in a :
```

```
    print(i)
```

```
for i in range(5) :
```

```
    print(i)
```

for Loop with else

The for loop is useful to iterate over the elements of sequence such as string, list, tuple etc. The else suite will be always executed irrespective of the statements in the loop are executed or not.

Syntax:

for var in sequence:

Statements

else:

Statements

Rest of the Code

Nested for loop

For loop inside another for loop is known as nested for loop.

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

```
    for j in range(y):
```

```
        Statements
```

```
    Statements
```

```
Rest of the Code
```