



(ii) Loop Statements :->

Sometimes, we need to repeat/iterate certain things in order to fulfil the task. In these situations, we use loops.

In our syllabus, we need to study for loop which is used to repeat a particular operation called as looping or Iterating.

Syntax:-> **for <control-variable> in <sequence/items/range> :**

Statements :

Example:-> ~~#~~ ~~#~~

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8]
```

```
for num in numbers:  
    print(num)
```

• range() function in loop :->

range() function is very helpful in creating a counter entity for loop.

It is used to create a loop tuple list of integer containing start, stop and step value.



Syntax:- `range(start, stop, step)`

starting value (included) stop value (excluded) step by value

`range()` function traverses the counter of values inside a loop.

Example :- Program to find the sum of first n -natural numbers.

```
n = int(input("Enter the no: "))
```

```
sum = 0
```

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

```
    sum += num
```

```
print(sum)
```