

for Loop :

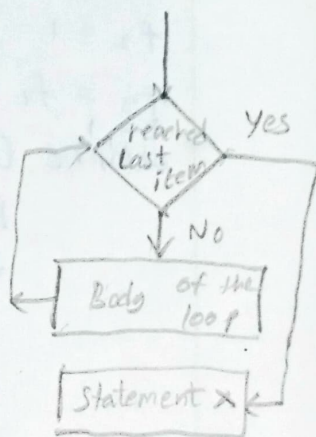
- Only counter controlled
- range of value for sequence.

Syntax :

for val in sequence :
Statement(s)

Statement - x

- Traversing
- Built-in function range()
- Iteration.



Q1.

Write a python program to Find the Sum of all the numbers in a list.

```
A = [92, 85, 65, 23]
```

```
S = 0
```

```
for x in A :
```

```
    S += x
```

```
print("Sum: ", S)
```

• range () function

range ([start], stop, [step]) [] - optional

Q2.

Write a python program to print the

$$S = 1 + 2 + 3 + \dots + n$$

```
n = int(input("Enter n : "))
```

```
S = 0
```

```
for i in range (1, n+1):
```

```
    S += i
```

```
print("Sum = ", S)
```