



# Python Day 4

BY :-

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# Loops in Python

Loops are used to repeat instructions.

While loops

```
While conditgion:  
    #some work
```

## Break & Continue

**Break** : used to terminate the loop when encountered.

**Continue** : terminates execution in the current iteration & continues execution of the loop with the next iteration.



# Loops in Python



Loops are used for sequential traversal. For traversing list, string, tuples etc.

for Loops

```
For el in list:  
    #some work
```

```
List =[1,2,3]  
  
For el in list :  
    print(el)
```

For loop with else

```
For el n list:  
    #some work  
else:  
    #week when loop ends
```

```
For el in list:  
    print(el)  
  
else:  
    print("end")
```

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# range( )

Range functions returns a sequence of numbers, starting from 0 by default, and increments by 1 (by default), and stops before a specified number.

Range(start,stop,step)

```
for el in range(5):  
    print(el)  
for el in range(1,5):  
    print(el)  
for el in range(1,5,2):  
    print(el)
```

# pass Statement

pass is a null statement that does nothing. It is used as a placeholder for future code.

```
For el in range(10):  
    pass
```

# Function in python



Block of statements that perform a specific task.

```
def func_name( param1, param2..):  
    #some work  
    return val
```

Function Definition

```
func_name( arg1, arg2 ..) #function call
```

```
def sum (a,b):  
    s = a+b  
    return s  
print(sum(2,3))
```

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# Function in python



Built-in function

`print()`  
`len()`  
`typer()`  
`range()`

User defined function

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## Thanks



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Keep learning



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Daily practice



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Use can achieves your  
goal

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