

Control Flow

Conditions & Loops



```
if (x == 2) :  
    print("Two")  
elif (x == 3) :  
    print("Three")  
else:  
    print("others")
```



```
languages = ['JavaScript', 'Python', 'Java']  
for l in languages:  
    print(l)
```

Output:

JavaScript

Python

Java



Range Function

```
range([start,] end[, step])
```

Examples

```
range(5) [0, 1, 2, 3, 4]
```

```
range(0, 5, 1) [0, 1, 2, 3, 4]
```

```
range(1, 10, 2) [1, 3, 5, 7, 9]
```

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

0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



while

```
dayCount = 0  
while dayCount < 4:  
    print("We are learning Python")  
    dayCount += 1
```

Output:

```
We are learning Python  
We are learning Python  
We are learning Python  
We are learning Python
```

DayCount

```
1  
2  
3  
4
```



```
for i in range(10):  
    if (i == 5):  
        break  
    print(i)
```

0	1	2	3	4
---	---	---	---	---



```
for i in range(10):  
    if (i == 5):  
        continue  
    print(i)
```

0 1 2 3 4 6 7 8 9



Else Statement

```
for i in range(10):  
    if (i == 5):  
        continue  
    print(i)  
else:  
    print(10)
```

0

1

2

3

4

6

7

8

9

10




```
for i in range(10):  
    if (i == 5):  
        pass  
    print(i)
```

0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



input Function

`input(prompt_message)`

Example

```
name = input("What's your Name? ");  
print(name);
```

Output:

```
What's your name? Mahmoud  
Mahmoud
```



Functions

Make your code more generic

