



*learnwithbhawana*

# Top 5 Python Functions You Must Know

*If you want to become a Python Pro 😎*

## 1.range()

Used to generate a sequence of numbers. Helpful when looping a specific number of times.

```
1  #range function :
2  for i in range(1,11):
3      |    print(i) # Output: 0,1,2,3,4,5,6,7,8,9,10
4
```

## 2.enumerate()

Adds a counter while iterating through a sequence.

```
1  #enumerate function :
2  fruits = ["apple","banana","lemon"]
3  for i, fruit in enumerate(fruits):
4      |    print(i, fruit)
5  #output:
6  # 0 apple
7  # 1 banana
8  # 2 lemon
```

## 3.zip()

Combines two or more iterables element-wise into tuples.

```
1 #zip function :
2 names = ["Ram","Shyam","Mohan"]
3 marks = [90,80,70]
4 for value in list(zip(names, marks)):
5     print(value)
6 #output:
7 # ('Ram', 90)
8 # ('Shyam', 80)
9 # ('Mohan', 70)|
```

## 4.filter()

Filters elements of a sequence based on a condition.

```
1 #filter function :
2 nums = [1,2,3,4,5,6]
3 even = list(filter(lambda x: x%2==0, nums))
4 print(even)
5 #output:[2, 4, 6]
```

## map()

Applies a function to every element in a sequence.

```
1 #map function :
2 nums = [1,2,3,4,5]
3 squares = list(map(lambda x: x**2, nums))
4 print(squares)
5 #output:[1, 4, 9, 16, 25]
```