

# python-functions-1

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## 1 Functions

### 1.0.1 Normal function

```
[1]: def my_func():  
      print("Hello World")  
  
      my_func()
```

Hello World

---

### 1.0.2 Function with parameters

```
[4]: def my_func(name,lname):  
      print("HELLO "+name +' '+ lname)  
      my_func('Omkar','Anvekar')
```

HELLO Omkar Anvekar

---

### 1.0.3 arbitrary arguments \*args

```
[5]: def my_func(*fruits):  
      print("The name of the fruit is :"+fruits[1])  
  
      my_func('apple', ' mango', 'orange')
```

The name of the fruit is : mango

---

### 1.0.4 keyword arguments \*args

```
[7]: def my_func(fruit1,fruit2,fruit3):  
      print("The name of the fruit is :"+fruit3)  
  
      my_func(fruit1 ="apple", fruit2="mango", fruit3='orange')
```

The name of the fruit is :orange

---

### 1.0.5 arbitrary keyword arguments \*args

```
[8]: def my_function(**kid):  
      print("His last name is " + kid["lname"])  
  
      my_function(fname = "Omkar", lname = "Anvekar")
```

His last name is Anvekar

---

### 1.0.6 default parameters

```
[9]: def my_function(country = 'Bharat'):  
      print("I am from " + country)  
  
      my_function("Sweden")  
      my_function("India")  
      my_function()  
      my_function("Brazil")
```

I am from Sweden  
I am from India  
I am from Bharat  
I am from Brazil

---

### 1.0.7 list as parameters

```
[10]: def my_function(food):  
       for x in food:  
           print(x)  
  
       fruits = ["apple", "banana", "cherry"]  
  
       my_function(fruits)
```

apple  
banana  
cherry

---

### 1.0.8 return values

```
[11]: def my_function(x):  
      return 5 * x  
  
      print(my_function(3))  
      print(my_function(5))  
      print(my_function(9))
```

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```
[ ]:
```