



Functions

- A function performs a specific task
- The **interface** of a function:
 - Input arguments
 - Returned values
- The parameters given in the function definition are referred to as *formal parameters*, and the arguments in the function call are referred to as *actual parameters*:

<u>Function Call</u>		<u>Function Definition</u>
<code>f(6, 'bananas', 1.74)</code>	→	<code>def f(qty, item, price):</code>
		
arguments		parameters
(actual parameters)		(formal parameters)

Functions

- Any data types of parameter (*string, number, list, dictionary etc.*) can be passed to a function, and it will be treated as the same data type inside the function

```
def my_function(food):  
    food=food.capitalize()  
    print(food)  
fruits="apple"  
my_function(fruits)
```

Apple

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

apple
banana
cherry