

# Functions

Functions are a block of codes which can be reused many times for related purpose.

## Syntax:

```
def functionName(arguments):  
    Statements  
    return statement
```

## Example:

```
num1 = int(input('Enter the value of a to add'))  
num2 = int(input('Enter the value of b to add'))  
def addition( a , b ):  
    c = a + b  
    return c  
add = addition(num1 ,num2)  
print('The addition of a an b is : %s' %add)
```

## Output:

```
Enter the value of a to add 2  
Enter the value of b to add 3  
The addition of a and b is : 5
```

## **Global variable & Local variables**

Global variables are the variables that are defined outside the function body.

Local variables are the variables that are defined inside the function body.

**Local variables cannot be accessed outside the function body if you get that it will show error.**