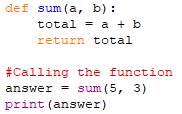
**Example**

The following program shows how to create a function in Python



Type up the program and run it to check that it runs



**Task 1 – adapt the program**

Adapt the program above so that it asks the user which two numbers they want to add and returns the result for these



**Task 2 – smallest function**

In Python, write a function that takes three numbers and outputs the smallest of the three numbers. Write code that asks the user to input three numbers and calls to function to determine which of the three numbers is the smallest.

HINT: See the example of the ‘greatest’ function in the PowerPoint slides.



**Task 3 – double**

Write a program in Python which does the following:

1. Asks the user to type in a number
2. Passes this number to a function called **double**
3. This function doubles the number and **returns** the value to the caller to **print out** the result



**Task 4 – simple program using a function**

Write a program in Python which does the following:

1. Asks the user to type in **two values**: the **length** and the **width** of a rectangle
2. Passes these numbers to a function called **calcPerimeter**
3. The function will **calculate the perimeter** using the values passed *(hint: this is 2 x width added to 2 x height)*
4. The function will **return** the perimeter to the main program
5. The main program will **print out** the perimeter (suitably **formatted**)

**Task 5 – program which uses a function and looping**

Write a program in Python which does the following:

1. Asks the user to type in a word
2. Passes this word to a function called **printMultiple**
3. The function will print out the word 10 times *(hint: use a FOR loop for this)*



**Task 6 – adapt program from task 5**

Adapt your program from task 5 so that it does the following:

1. Asks the user to type in a word **and a number**
2. Passes these to a function called **printMultiple**
3. The function will print out the word **x times** (x is the number the user typed in)

**Example of program running:**Please input a word: Hello  
Input a number: 3  
Hello  
Hello  
Hello