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3.6 Performance Assessment Library of Functions

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Python 3.14.0 (tags/v3.14.0:ebf955d, Oct 7 2025, 10:15:03) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> - RESTART: C:/Users/BlaQK/OneDrive/Documents/PythonStuff/3.6Library of Functions
.PY
My Student ID is Gerbla7878
Enter the first number: 5
Enter the second number: 4
The sum of 5.0 and 4.0 is 9.0
The sum is greater than 5.
functionThree returned the value of 7878

>>> - RESTART: C:/Users/BlaQK/OneDrive/Documents/PythonStuff/3.6Library of Functions
.PY
My Student ID is Gerbla7878
Enter the first number: 2
Enter the second number: 1
The sum of 2.0 and 1.0 is 3.0
The sum is 5 or less.
functionThree returned the value of 7878

>>>

# Function definitions
def functionOne():
    print("My Student ID is Gerbla7878")

def functionTwo():
    # Ask the user for two numbers
    n1 = float(input("Enter the first number: "))
    n2 = float(input("Enter the second number: "))
    sumNumbers = n1 + n2
    print(f"The sum of {n1} and {n2} is {sumNumbers}")
    return sumNumbers

def functionThree(sumValue):
    if sumValue > 5:
        print("The sum is greater than 5.")
    else:
        print("The sum is 5 or less.")
    return 7878

# Main function
def main():
    functionOne()
    sumResult = functionTwo()
    studentIDNumber = functionThree(sumResult)
    print(f"functionThree returned the value of {7878}")

# Run main
main()
```

1. What is the purpose of a function?

A function is used to **organize code into reusable blocks**. It helps make programs easier to read, reduces repetition, and allows you to perform tasks by calling the function instead of rewriting code.

2. Why might you pass more than one parameter to a function?

You pass more than one parameter when the function needs multiple pieces of information to do its job.

3. If a function returns a value, what do you do with that value in the calling function?

You usually **store the returned value in a variable** so you can use it later

4. Explain this line of code:

- a. `print(f'I am sending output to the console showing the value {num1}.')`

This prints a sentence, and `{num1}` is replaced with the value stored in the variable `num1`.

5. You have code that calls a function named `myFunction()` from `main`. After `myFunction()` executes, what is the next step in the program flow?

`myFunction()` finishes, the program **returns to the next line of code in `main()`** right after the function call.