Manuel Ortiz

2021/08/14

## IT FDN 110: Introduction to Programming (Python)

Assignment 06

# Assignment 06 / Module 06 work and results

## Introduction

Week ?

## Functions

From what I understand, functions are the block of code that you create for each part of the programs actions. In the book we learned about documenting a function, which we used docstring. This I am not 100% on yet.

I did like the programmers created function, using a set of instructions when you need them at a given time. I would like more demos on using Abstraction. In theory it is simple enough to understand, but in action, this would be helpful to see.

## Understanding Encapsulation

How functions work overall. They are not used outside of their parameters. Which does make some sense, a block of code is creating a action. That action should not work without a purpose.

# Modules

## Functions (parameters)

There are no limits to how many parameters you can use

Text

Description automatically generated

Figure Module 6 parameters

Then use a variable with a function

Text

Description automatically generated

Figure Last line, using a variable

## LAB 06-A: Working with functions:

Create a script called Lab06\_A. Add the code from listing 2 above.

Modify the script to work with to work with attributes and return values.

Test the script and write down how the code works.

Text

Description automatically generated

Figure 3 Lab 06 strange output

The lab 06 did not work as expected. I changed the layout in the code, but it would not work.

#------------------------------------------#

# Title: Lab06\_A.py

# Desc: <Enter Description>

# Change Log: (Who, When, What)

# MOrtiz, 2021-<month>-<day>, Created File

#------------------------------------------#

# ------ DATA ----- #

intNumA = None

intNumB = None

# ------ PROCESSING ----- #

# Process the data

def getSum(intNumA, intNumB):

return getSum

def getDif(intNumA, intNumB):

return getDif

def getPro(intNumA, intNumB):

return getPro

def getQuo(intNumA, intNumB):

return getQuo

# ------ PRESENTATION ----- #

# Get User input data

print('Basic Math script. Calculating the Sum, Difference, Product and Quotant of two numbers')

intNumA = int(input('Please enter the 1st number: '))

intNumB = int(input('Please enter the 2nd number: '))

# Display the Results

# print('\n\nThis script calculated using the numbers', intNumA, 'and', intNumB(intNumA, intNumB))

print('The Results are:\n')

print('Sum: \t\t', getSum(intNumA, intNumB), '\nDifference:\t', getDif(intNumA, intNumB))

print('Product:\t', getPro(intNumA, intNumB), '\nQuotent:\t', getQuo(intNumA, intNumB))

## The Assignment\_06: Step 5 - Apply your knowledge

Right now, this script uses only a few functions. There are several TODOs in the code. It is your assignment to resolve these and finish organizing the code.

Did not get that far in the assignment. I don’t have a good excuse

## Summary

This was a long module, ran out of time to get the assignment done.

<https://github.com/Bobofresh/Assignment_06>