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7/12/2023

[IT FDN 110 A](https://canvas.uw.edu/courses/1655585)

Assignment 01

Python Scripts

# Introduction

In this paper I will review the process I went through to create a python script that displays messages to the user by using the python ‘print’ function and capture user input through the python ‘input’ function. I initially explain why python is a program language to use and then explain all the steps I went through to construct the script.

# Why Python

Python is an open source programming language that was built to be easy to use and is used in many industries and companies around the world. It has a simplified approach to programming and allows a user to create python related files with a wide variety of methods or interactive development environments (IDE). This approach allows for a user to become familiar with programming more quickly and easily. (Python (programming language), <https://en.wikipedia.org/wiki/Python_(programming_language)> )(External site)

Below is an example of a script using python. (Figure 1).

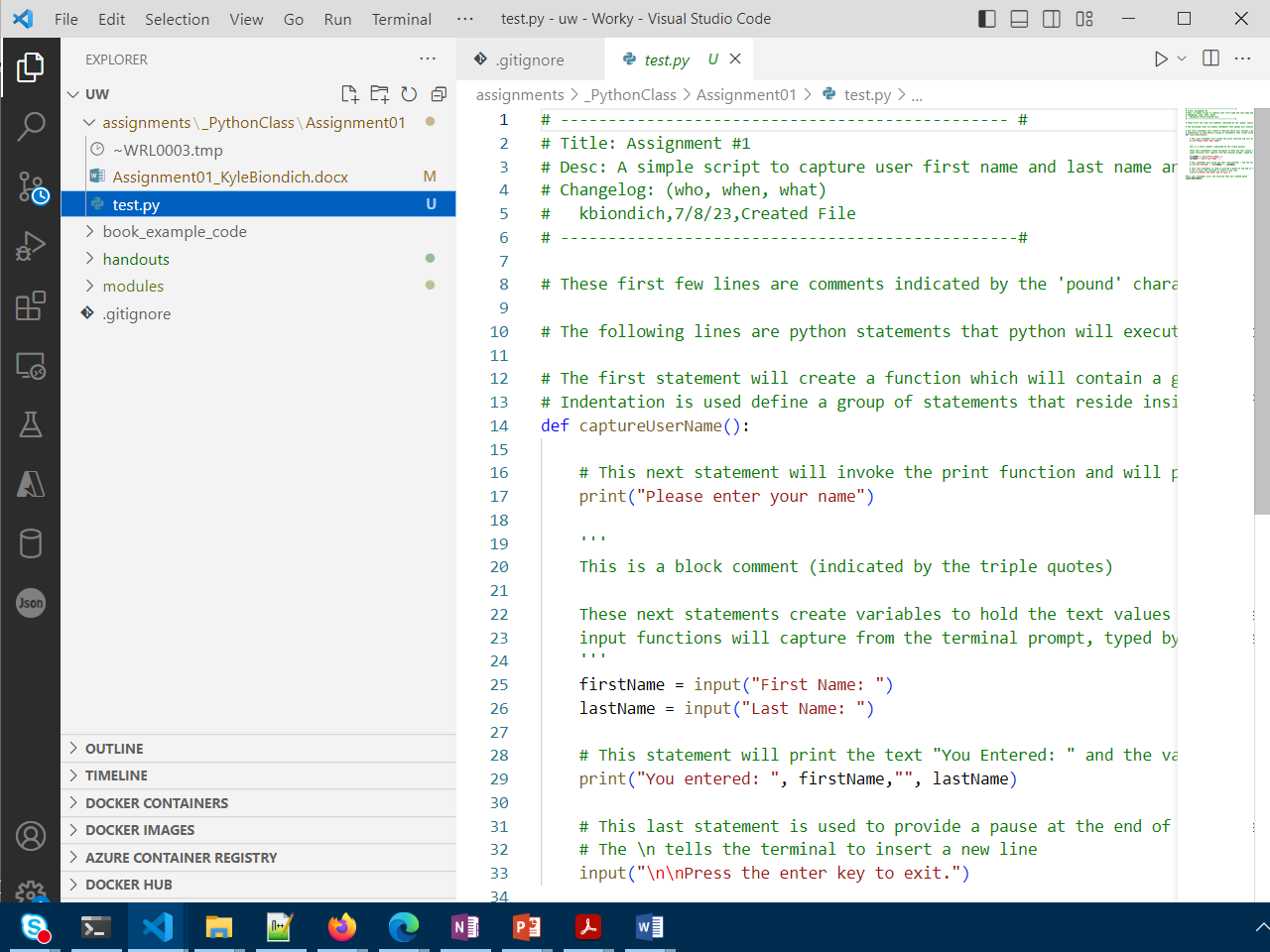


Figure 1: Example of python in a script file

# Writing a Simple Python Script

Following the examples that were provided in the course lecture video “Intro to Python Mod01 – Lecture” (<https://www.youtube.com/watch?v=pa9GRFAYm4s&list=PLfycUyp06LG9fZllIqBrxLcNV4CR50HEX&index=1>)(external site), I followed the instructions by Randal Root for installing python on my windows pc and utilized the examples of the print function and input function with the following methodology.

## Beginning the Python Script

Following the suggestion in the lecture video, I started the script with a ‘Script Header’. This provides a record of when the script was written, it’s name, and what was changed / added, by who and when. (Figure 2).

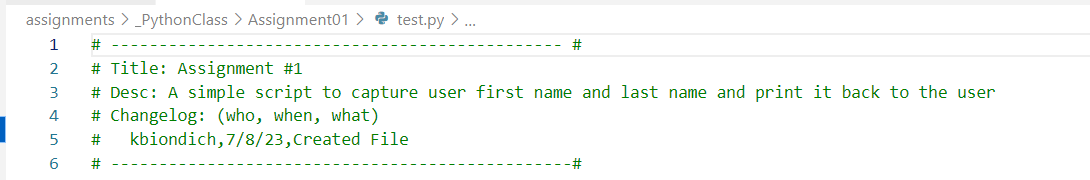


Figure 2: Python Code Script Header

## Using Comments in the Python Script

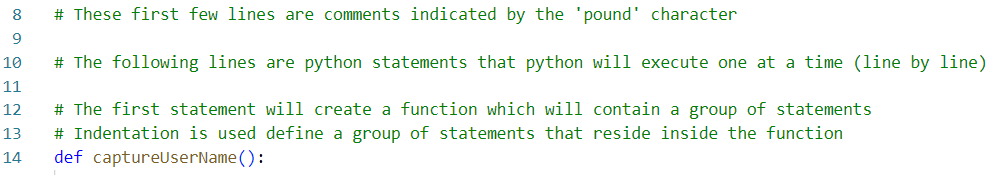


Figure 3: Python Code Comments

## Using the Define Function

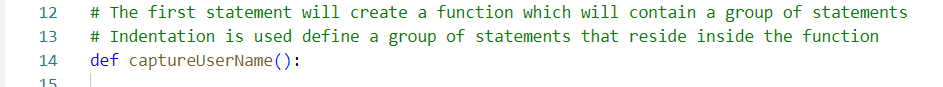


Figure 4: Python Code Define Statement

## Grouping Python Statements in the Define Function

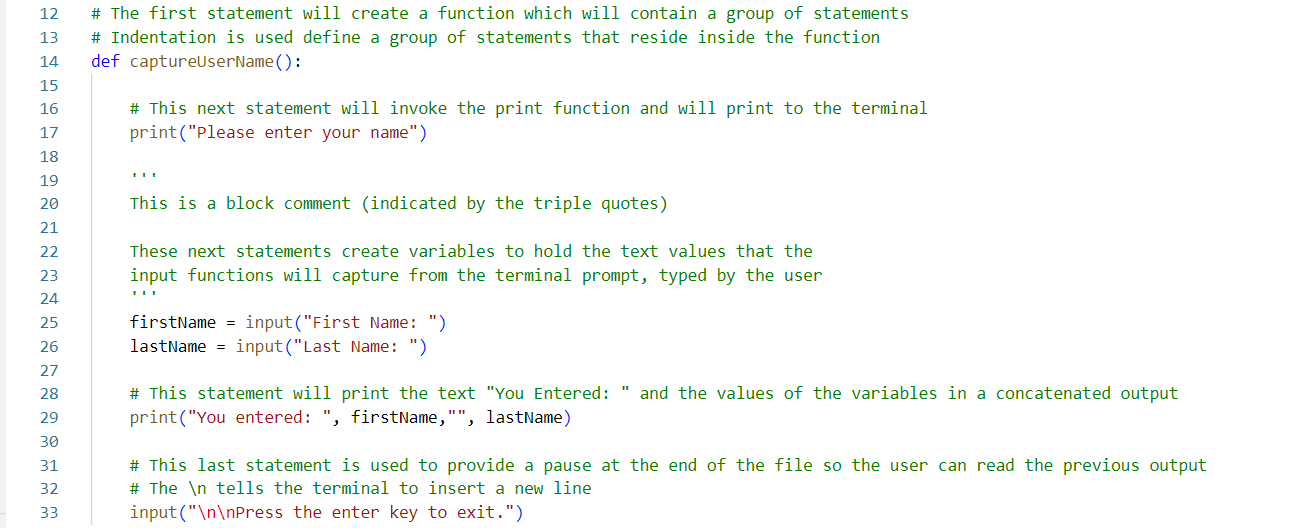


Figure 5: Python Code Grouped Statements

## Using the Print Function, Defining Variables, and Using the Input Function

Figure 6: Python Code Functions and Variables

## Calling the Defined Function



Figure 7: Python Code Calling the Function

## Running the Script

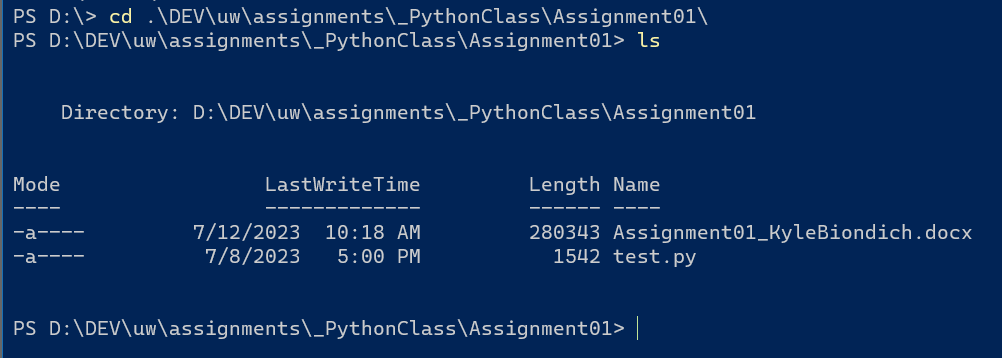


Figure 8: Changing to the Script Directory

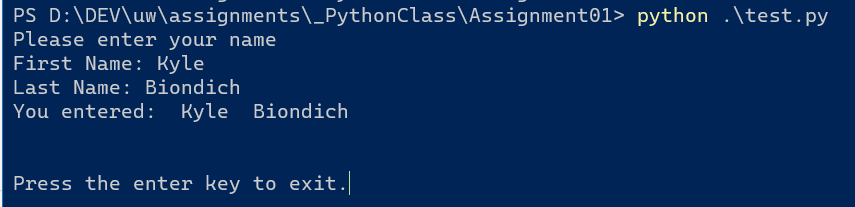


Figure 9: Running the Script

## Running the Script Result

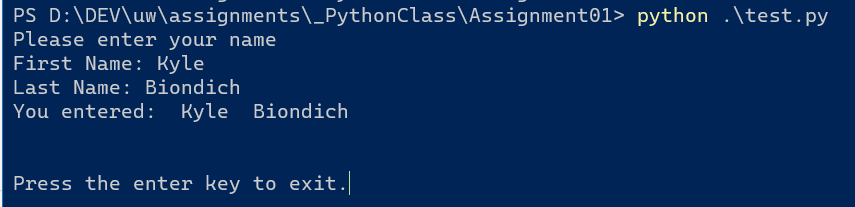


Figure 9: Running the Script Result

# Summary

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# References

*Python (programming language)*. (n.d.). Retrieved July 2023, from wikipedia: https://en.wikipedia.org/wiki/Python\_(programming\_language)