Homework 00a

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Course: SSW-567-A

Questions:

Part 1 - Choose, install, explore and use development tools:

We will be doing some hands-on testing of software programs throughout the course. You need to choose a set of tools to help you to write and test some simple programs and test more complex programs. All assignments should be done using Python.

Next you'll need to choose, install, and experiment with the following tools:

- A development environment that allows you to explore, write, execute, and debug source code. Your development environment may be as simple as a text editor and a shell or you may want to choose a more powerful development environment. You may choose any development environment you prefer to use. The python wiki lists a number of options: https://wiki.python.org/moin/IntegratedDevelopmentEnvironments

Links to an external site. . Another option which is not listed here is Visual Studio Code . I also use emacs.

Along with your development environment, you'll need to choose a unit test tool for testing software. I recommend either Pytest Links to an external site. or UnitTest

Links to an external site. for Python.

We'll be using GitHub

- Links to an external site. as our configuration management system. You should create a GitHub account if you do not already have one.

You must choose and install your programming and development environment, along with the corresponding unit test tool. You should play around with the tools, use them, and understand what they can do. I want you to pick a tool and get started using the tool. There are many tutorials for Python's UnitTest

Links to an external site., Pytest

Links to an external site. that will help you to get started.

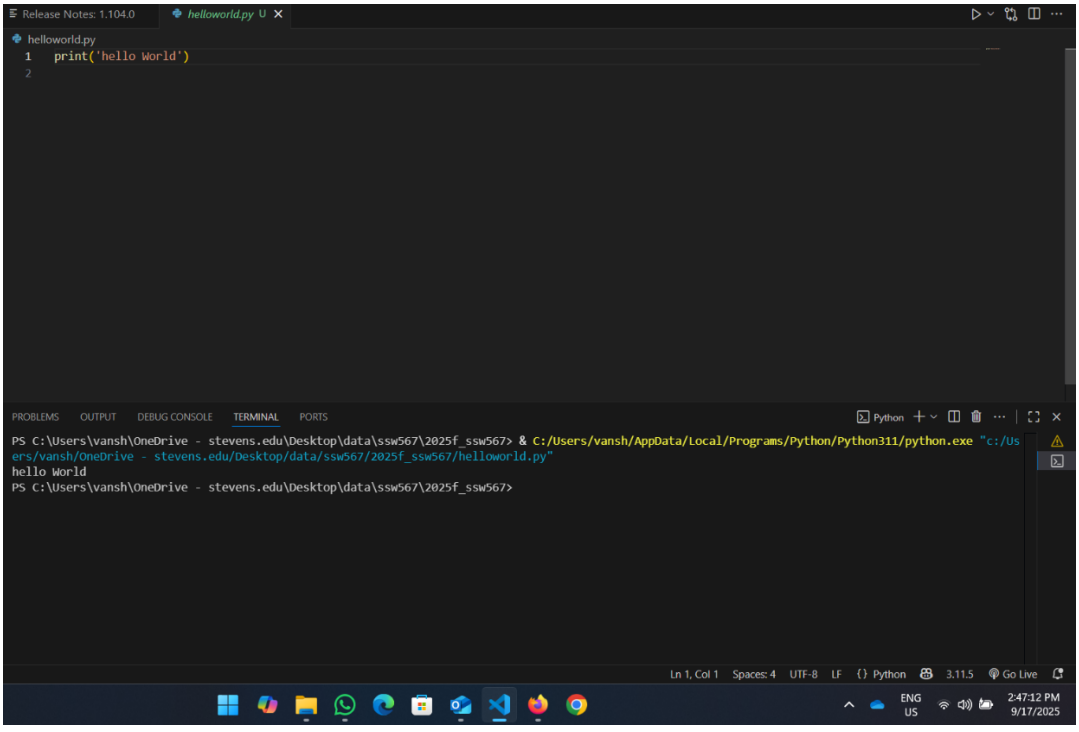
Part 2 - Hello world!

Deliverables:

1. Demonstrate that you've successfully installed your programming language and environment of your choice by **submitting a screen dump of a "print('Hello world')" program executing in your environment**. We'll be writing some test cases in Assignment 1 so you may want to explore your choice of testing platforms this week but it's not required for this week.
2. You should upload your program to your Github account. Create a repo using your Github account and upload and commit your "hello world" program. **Submit a URL to your Github repo containing your "helloworld" program**. E.g. https://github.com/richkempinski/helloworld

Answer:

A screen dump of a "print('Hello world')" program executing in my environment.



Github Link for Helloworld File : Link
(https://github.com/vanshajtyagi/ssw_567/blob/master/helloworld.py)