Introduction to Python - Tutorial 0 - Hello World

Overview:

Traditionally, the first program we write when learning a new language is called *Hello World*.

System Requirements:

- **Computer**: A computer is required to complete this tutorial. Any OS should work.
- **Internet:** Your computer must be connected to the internet to proceed. It is a good idea to update the system before you begin.

Disclaimer:

- **Programming Experience:** Everyone is different and has a different level of computer experience. This is expected. Do not worry if you feel behind or ahead of your peers.

Part 1 - Programming Environment:

Choose your programming environment before you get started. You have several options.

Recommended Option:

- Work in internet browser - Online Python Compiler
- Save code locally at end of each session

Advanced Options:

- Check if Python is already installed on your system by running the following commands.

```
Python --version     OR     Python3 --version
```

  If python is installed the version will be displayed and no further steps are needed. Python3 is required for this course.
- If Python3 is not installed on the system, download and install the appropriate version.
- Write programs in text editor, and run programs through terminal.

Part 2 - The Python Code:

1. You have been given the following example code. Study the program before running it.

```python
#GSET - Summer 2023
#Introduction to Python
#Hello World - June 5, 2023

print('Hello GSET World')
```

2. Look at each line of the program carefully.
   - Lines 1-3: Block Comment
   - Line 5: The print function

Part 3 - Testing:

1. Now, run the Python code by pressing the run button.

2. The output of the program is shown in the terminal below.

```
    Hello GSET World

** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

3. Save your code with the download button or use copy and paste. You can view and edit the code in any text editor. Also, save a copy of the program output for your tutorial summary.

Tutorial Complete:

Congratulations, after completing *Tutorial 0- Hello World*, you have begun learning to program in Python!

Tutorial Summary:

Write a brief summary of what you accomplished and what you struggled with the most.

Include the following items in the summary:

- a copy of the output of your program
- a description of what the program does and how to use it

Submission on Teams:

Use the appropriate shared folder on Teams to submit your program and summary. Submit the fol1owing items with your TNTech username in the filenames as shown below.

Files for Tutorial 1 (TNTech Username : twhill21)

- Tutorial Summary: **twhill21_summary0.txt**
- Python Source Code: **twhill21_tutorial0.py**