

## GSET - Programming with Mr. Hill - Summer 2024

### 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.

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Python --version	OR	Python3 --version
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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.

---

```
#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 following 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**