Chapter 1: Modules, Comments & Pip

Let’s write our very first python program.

Create a file called hello.py and paste the below code into it

print(“Hello World”) # print is a function (more later)

Copy

Execute this file (.py file) by typing python hello.py, and you will see Hello World printed on the screen.

**Modules**

A module is a file containing code written by somebody else (usually) which can be imported and used in our programs.

**Pip**

Pip is a package manager for python. You can use pip to install a module on your system.

E.g., pip install flask (It will install flask module in your system)

**Types of modules**

There are two types of modules in Python:

1. Built-in modules – Pre-installed in Python
2. External modules – Need to install using pip

Some examples of built-in modules are os, abc, etc.

Some examples of external modules are TensorFlow, flask, etc.

**Using Python as a Calculator**

We can use python as a calculator by typing “python” + **TO DO**on the terminal. [It opens REPL or read evaluation print loop]

**Comments**

Comments are used to write something which the programmer does not want to execute.

Comments can be used to mark the author's name, date, etc.

**Types of Comments:**

There are two types of comments in python,

1. Single line comments – Written using # (pound/hash symbol)
2. Multi-line comments – Written using ‘’’ Comment ‘’’ or “”” Comment “””.

Chapter 1 – Practice Set

1. Write a program to print Twinkle-Twinkle Little Star poem in python.
2. Use REPL and print the table of 5 using it.
3. Install an external module and use it to perform an operation of your interest.
4. Write a python program to print the contents of a directory using os module. Search online for the function which does that.
5. Label the program written in problem 4 with comments.