Chapter 1
Modules, Comments & PIP

Lets write our very first python program create a file called hello.py and paste the below code in it.

```
print("Hello, world") → #print is a function
```

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 the package manager for python. You can use pip to install a modules on your system.

→ pip install flask installs flask module.

Type 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, pygame etc.

Using Python as a Calculator

We can use python as a calculator by typing "python + ↵" on the terminal

↓ This opens REPL
or Read Evaluate Print Loop

Comments

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

→ Can be used to mark author name, date etc.

Types of Comments

There are two types of comments in python.

1. Single-line Comments → Written using #
2. Multi-line Comments → Written using '''comment'''

Chapter 1
Practice Set

Q.1 Write a program to print Twinkle twinkle little star poem in python.

Q.2 Use REPL and print the table of 5 using it.

Q.3 Install an external module and use it to perform an operation of your interest.

Q.4 Write a python program to print the contents of a directory using os module. Search online for the function which does that.

Q.5 Label the program written in Problem 4 with comments.