

1.

Modules, Comments & Pip

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Lets write our very first python program to create a file called hello.py & past the below code in it.

```
print("Hello world")
```

→ print is a function

Execute this file py file by typing python hello.py & 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 & used in our program.

Pip

pip is the package manager for python you can use the pip to install a program on your system.

→ pip install flask install flask module.

Types of Modules

There are two types of modules in python.

- 1] Built in modules \rightarrow pre install in python
- 2] External modules \rightarrow Need to install in pip.

Some example of build in module are os, abc etc.

Some example of external modules are tensorflow, flask etc.

Using python as a Calculator

We can write a python program as a calculator by typing "python + \leftarrow on the terminal

\rightarrow This opens REPL or read evaluate print loop

Comments

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

\rightarrow Can be used to mark author name, data etc.

Types of Comments

There are two types of Comments in python.

- 1] Single line comments → Written using #
- 2] Multi line comments → Written using ''' Command '''.

Do Experiment
with pip



Practice Set

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- 1] Write a program to print Twinkle twinkle little star poem in python.
- 2] Using RERL & print the table of 5 using.
- 3] Install External module & use it to perform an operation of your interest.
- 4] Write a 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.