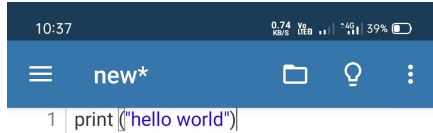


Lesson 1 modules comments and pip

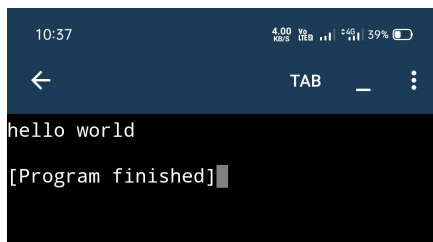
Let's write our first python program create a file called hello.py and paste the below code in it

```
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

Modules is a file containing code written by somebody else (usually) which can be imported and used in our program

PIP

Pip is the package manager for python you can use PIP to install a module on your system .

```
pip install pyinstaller
Pyinstaller is a module
```

Type of modules

There are two types of modules in python

(1) built in modules ==> pre installed in python

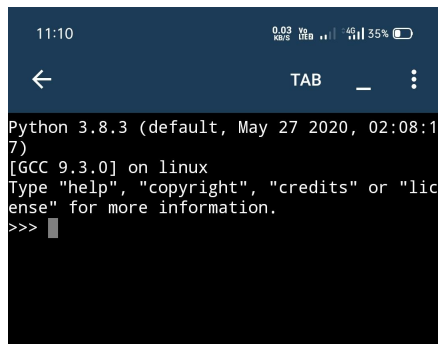
(2) external modules ==> need to install using pip

Some examples of built in modules like os, abc, etc.

Some examples of external modules are tensorflow , flask etc.

Python use as a calculator

We can use python as a calculator by typing "python" +enter on the terminal
this opens REPL



```
11:10 0.03 MB/s 4G 35%
Python 3.8.3 (default, May 27 2020, 02:08:17)
[GCC 9.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> █
```

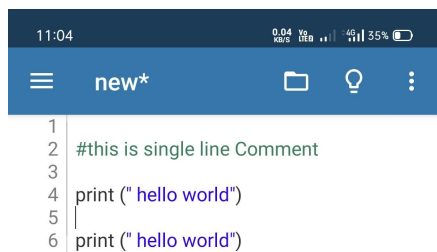
or Read Evaluate Print Loop

Comment's

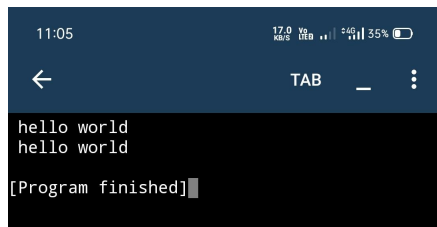
Humans are used to write something which the program does not want to execute

Can be used to make

Author name date etc



```
11:04 0.04 MB/s 4G 35%
new*
1 #this is single line Comment
2
3
4 print (" hello world")
5
6 print (" hello world")
```



```
11:05 17.0 MB/s 4G 35%
hello world
hello world
[Program finished] █
```

Type of comments

There are two type of comment python

(1) Single line comments ==> written using #

(2) Multi line comments. ==> Written using ''' comments '''