भारतीय प्रौद्योगिकी संस्थान तिरुपति

TIRUPATI

Simple Python Program

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```
>>> import this
```

The Zen of Python, by Tim Peters

Beautiful is better than ugly.
Explicit is better than implicit.
Simple is better than complex.
Complex is better than complicated.
Flat is better than nested.
Sparse is better than dense.
Readability counts.
Special cases aren't special enough to break the rules.
Although practicality beats purity.
Errors should never pass silently.
Unless explicitly silenced.
In the face of ambiguity, refuse the temptation to guess.
There should be one-- and preferably only one --obvious way to do it.
Although that way may not be obvious at first unless you're Dutch.
Now is better than never.
Although never is often better than *right* now.
If the implementation is hard to explain, it's a bad idea.
If the implementation is easy to explain, it may be a good idea.
Namespaces are one honking great idea -- let's do more of those!

PYTHON: SIMPLE TEST

code or source code: The sequence of instructions in a program.

syntax: The set of legal structures and commands that can be used in a particular programming language.

output: The messages printed to the user by a program.

console: The text box onto which output is printed.
Some source code editors pop up the console as an external window, and others contain their own console window.

Use F5 or Run module to execute the program in python shell.

HelloWorld.py - D:/Code/pythoncode/HelloWorld.py (3.7.3)

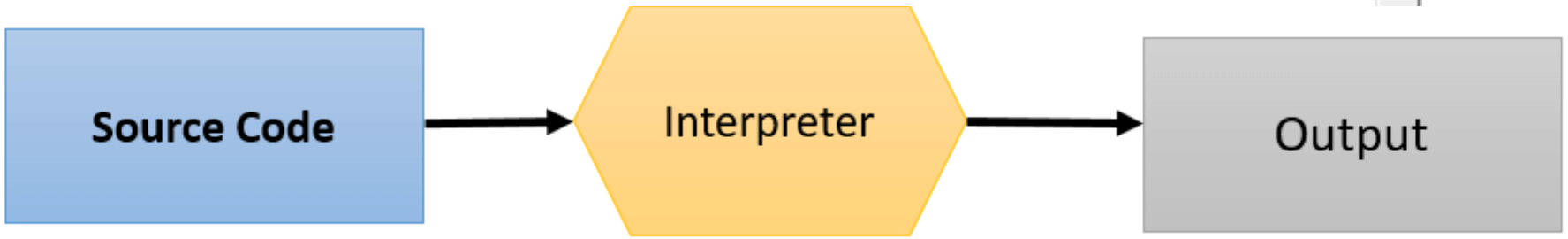
File Edit Format Run Options Window Help

```
print("Hello World")
```

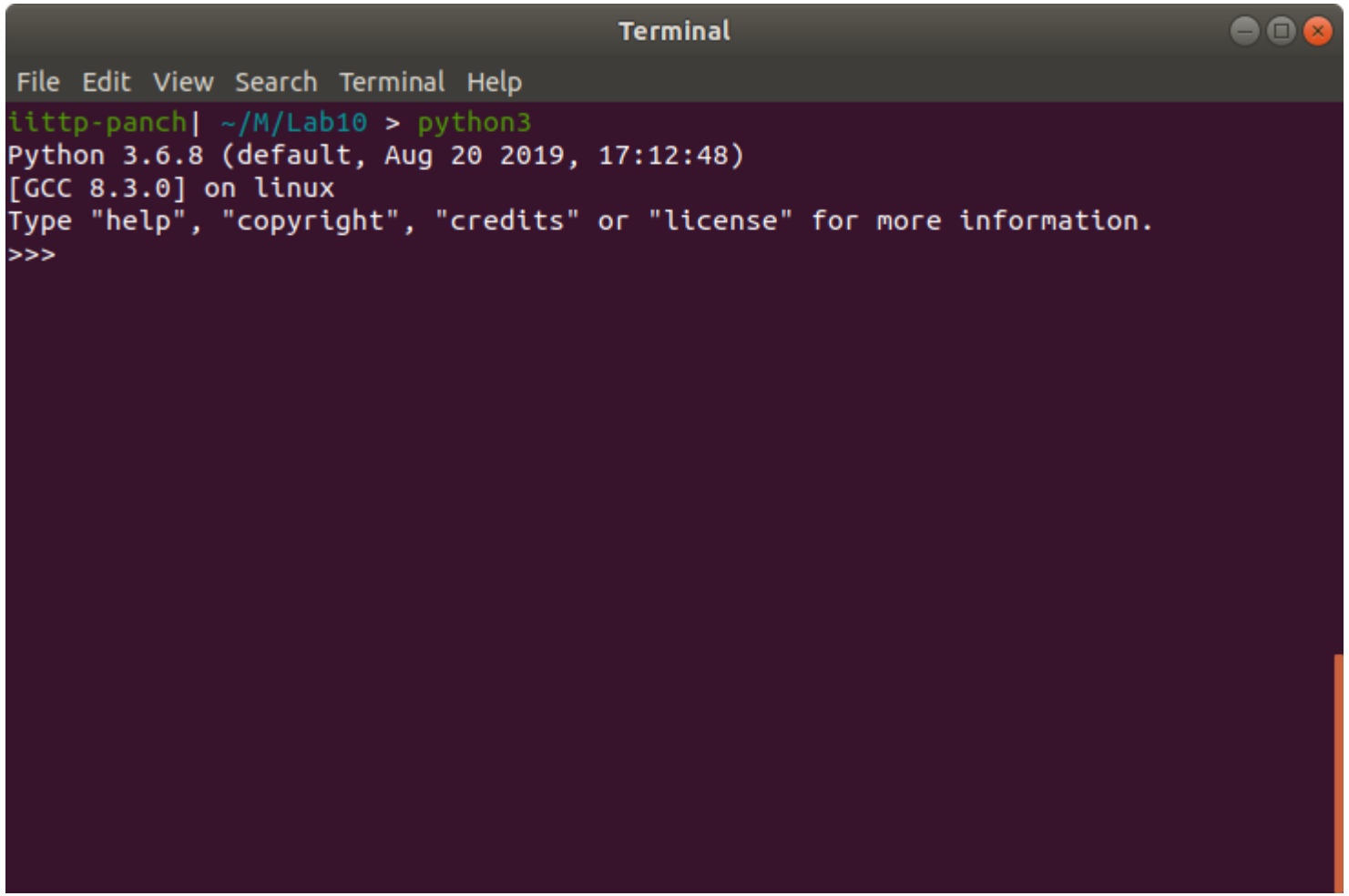
Python 3.7.3 Shell

File Edit Shell Debug Options Window Help

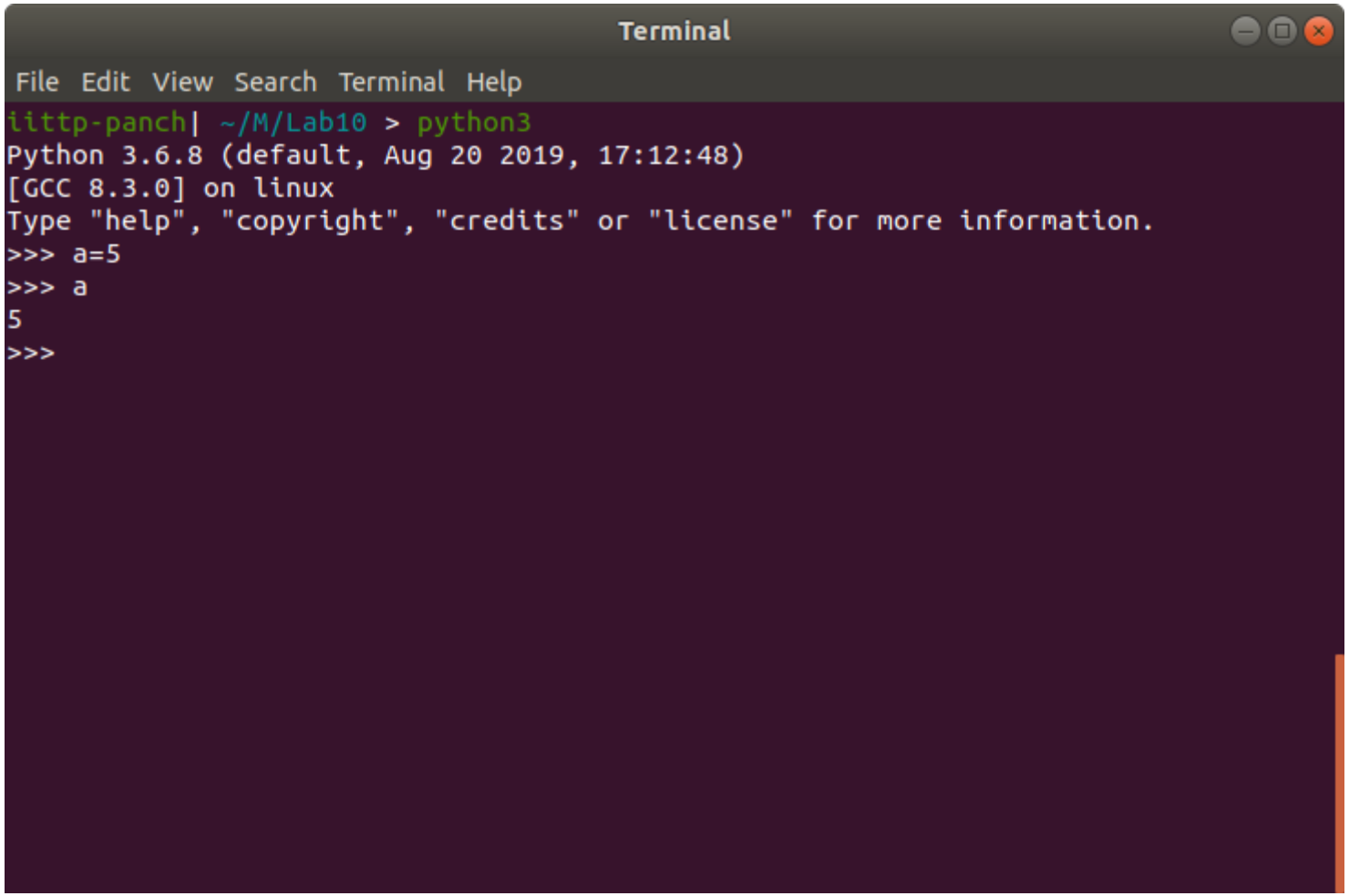
```
Python 3.7.3 (tags/v3.7.3:ef4ec6ed12, Mar 25 2019, 22:05:12) [MSC v.1916 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/Code/pythoncode/HelloWorld.py ==========
Hello World
>>>
```



For Ubuntu


Terminal
File Edit View Search Terminal Help
iittp-panch| ~/M/Lab10 > python3
Python 3.6.8 (default, Aug 20 2019, 17:12:48)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>

For Ubuntu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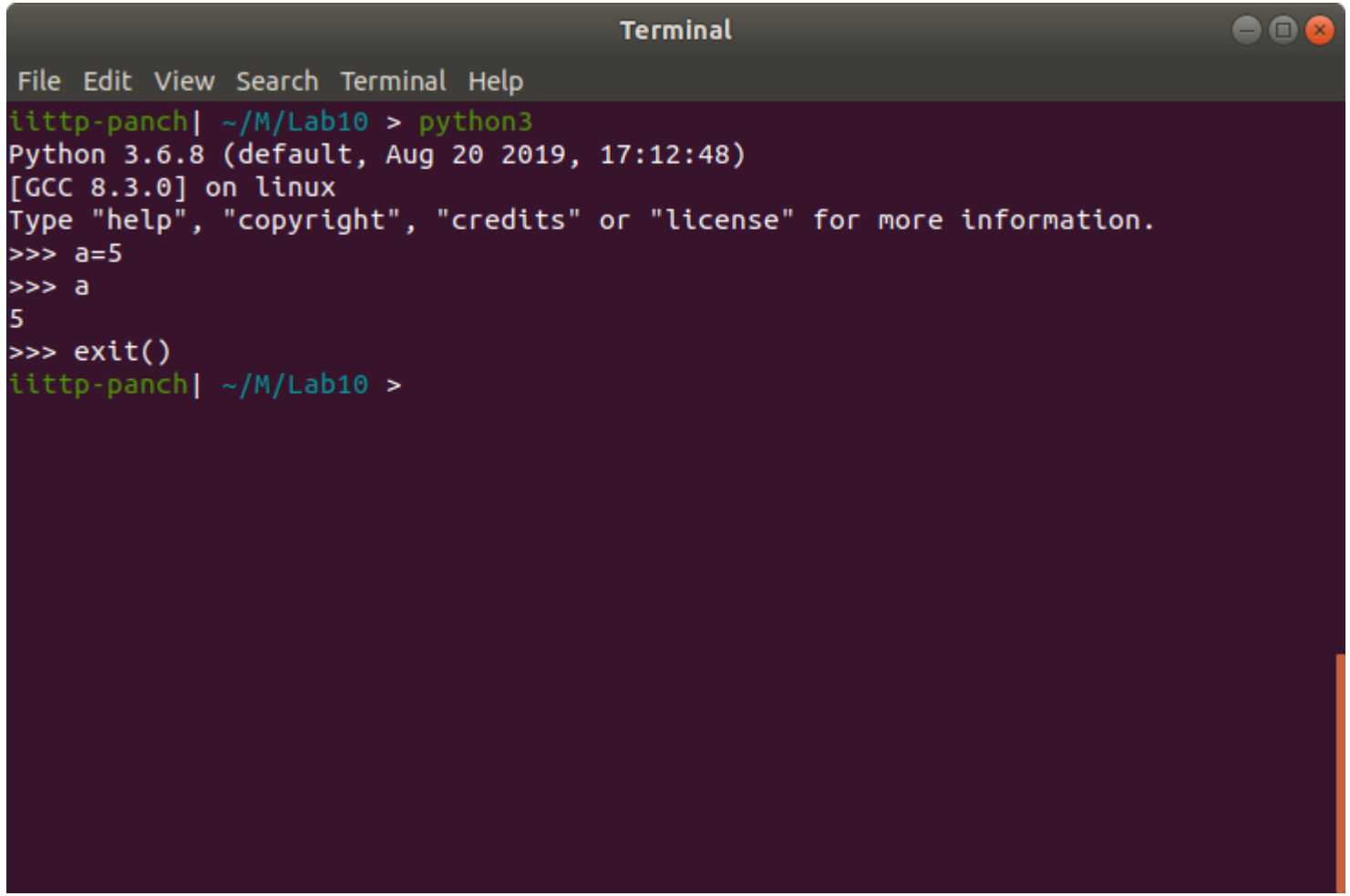
Python 3.6.8 (default, Aug 20 2019, 17:12:48)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> a=5
>>> a
5
>>>

For Ubuntu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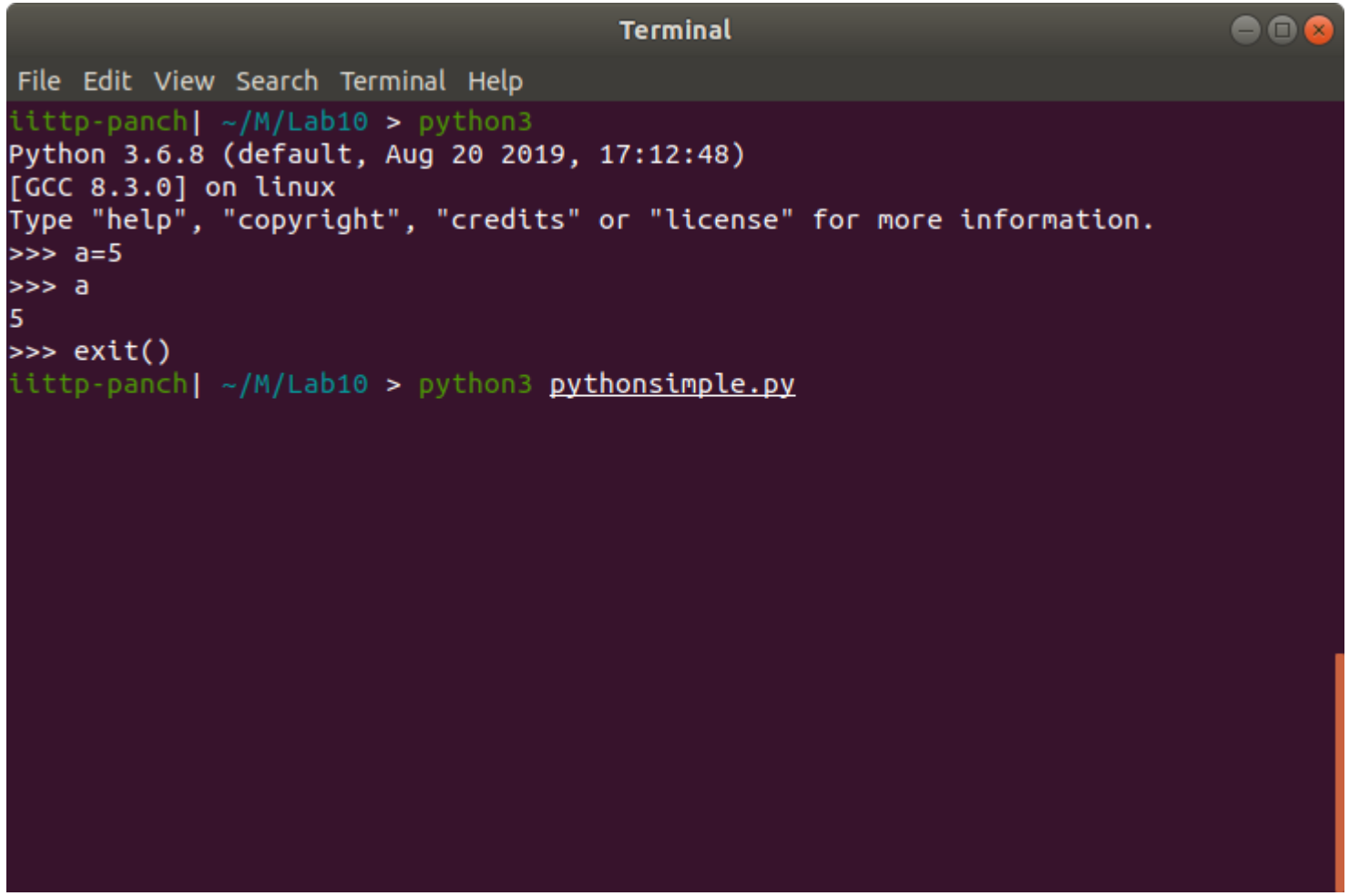
Python 3.6.8 (default, Aug 20 2019, 17:12:48)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> a=5
>>> a
5
>>> exit()
iittp-panch| ~/M/Lab10 >

For Ubuntu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>>> a=5
>>> a
5
>>> exit()
iittp-panch| ~/M/Lab10 > python3 pythonsimple.py

Exercises

1. Install Python in your Laptop
2. Install any one of the IDE
3. Take a screenshot and submit

End of Python Simple Program