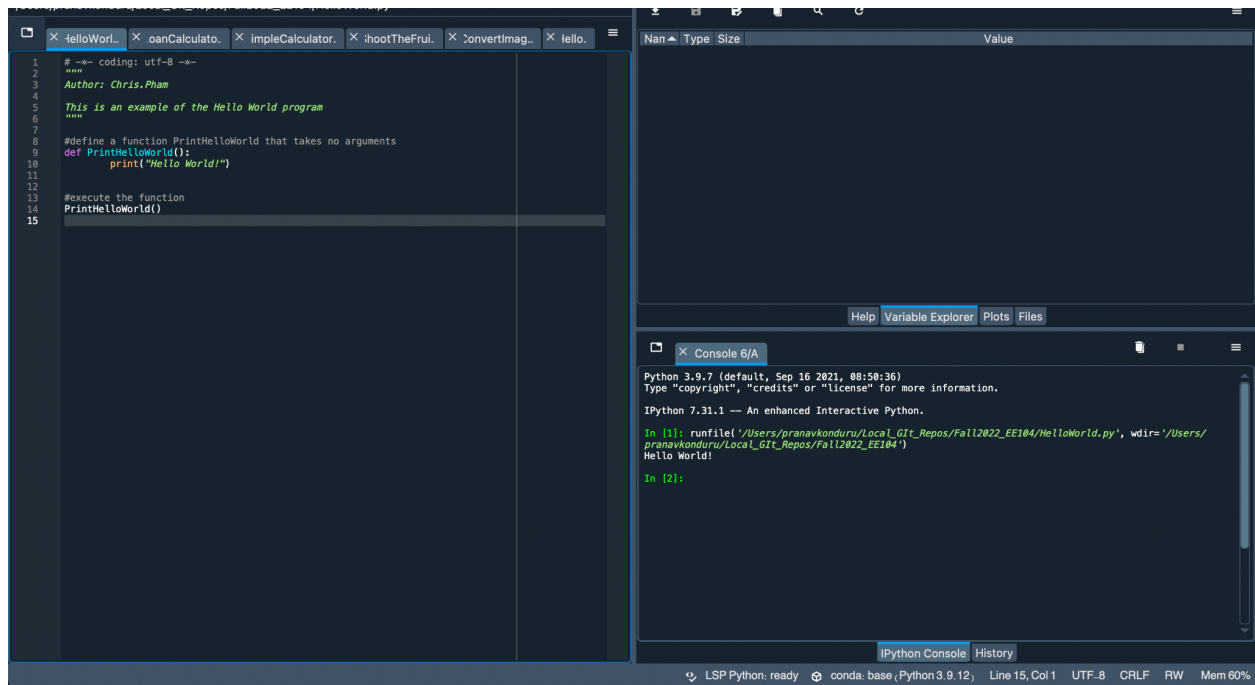


Demo: <https://youtu.be/ElaPtCeQ5t4>

## Lab 1: Hello Work



The screenshot displays a Jupyter Notebook environment. The left pane shows a code editor with a Python script named 'HelloWorld.py'. The script includes a docstring with author information and a function 'PrintHelloWorld()' that prints 'Hello World!'. The right pane shows the 'Variable Explorer' and 'Console' tabs. The 'Console' tab displays the output of the script, which is 'Hello World!'. The status bar at the bottom indicates the environment is 'conda: base (Python 3.9.12)' and the file is 'Line 15, Col 1'.

```
1 # -*- coding: utf-8 -*-
2 """
3 Author: Chris.Pham
4 This is an example of the Hello World program
5 """
6
7
8 #define a function PrintHelloWorld that takes no arguments
9 def PrintHelloWorld():
10     print("Hello World!")
11
12
13 #execute the function
14 PrintHelloWorld()
15
```

Python 3.9.7 (default, Sep 16 2021, 08:50:36)  
Type "copyright", "credits" or "license" for more information.  
IPython 7.31.1 -- An enhanced Interactive Python.  
In [1]: runfile('/Users/pranavkonduru/Local\_Git\_Repos/Fall2022\_EE104/HelloWorld.py', wdir='/Users/pranavkonduru/Local\_Git\_Repos/Fall2022\_EE104')  
Hello World!  
In [2]:

LSP Python: ready conda: base (Python 3.9.12) Line 15, Col 1 UTF-8 CRLF RW Mem 60%

Figure 1: Hello World from HelloWorld.py