# Lab Assignment 0
# Python environment setup
# COL100

November 28, 2021

## 1 Getting familiar with Python environment

The programming component of the course will be based in Python language. For faster and easier setup of the environment, we will be using a web-based python environment. This will avoid any installation of libraries and module in your devices, and you can directly focus on writing programs.

### 1.1 PythonAnyWhere

1. Open PythonAnyWhere in your favourite web-browser
2. Click on "Pricing & singup" in top right corner and create basic account. Refer Figure 1

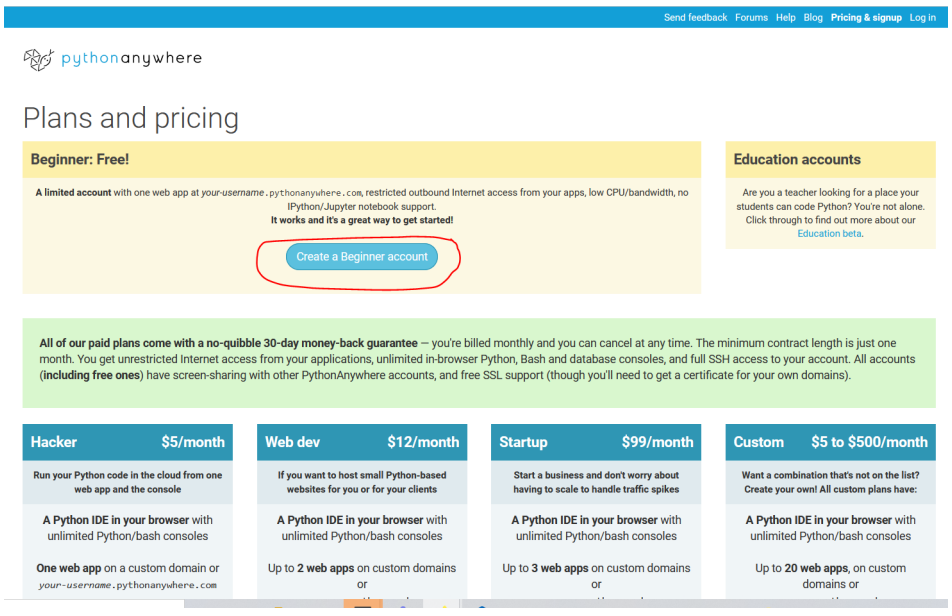


Figure 1: Account creation

3. Enter the relevant details to create the account. Refer Figure 2

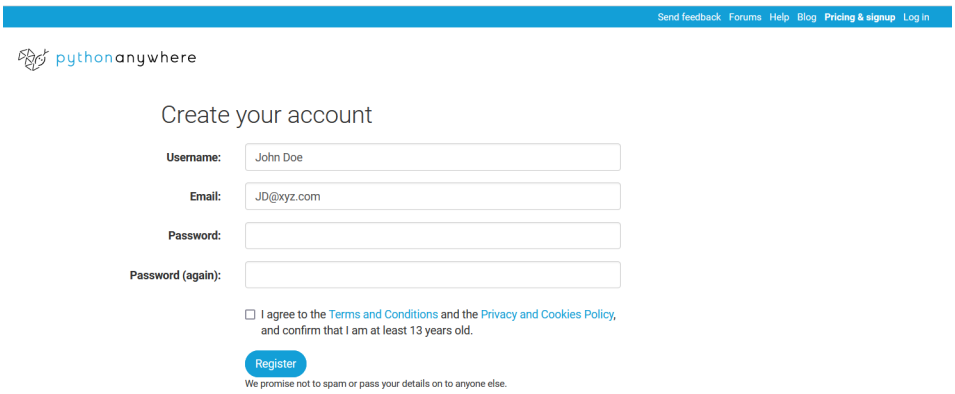


Figure 2: Enter details

4. Follow the guide to understand the different interfaces in the dashboard. Refer Figure 3

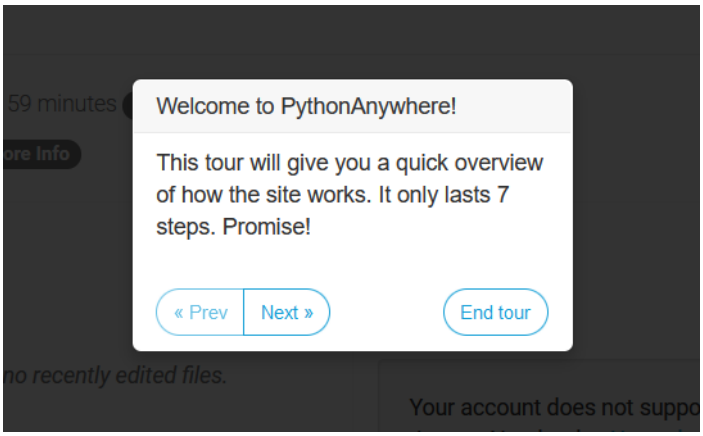


Figure 3: Dashboard guide

5. Create new file as shown in Figure 4. A suggestion is to use the file path as "/home/<username>/first_program.py". Here, "*.py" signifies that we are creating python program file. Click on "New file" to confirm.

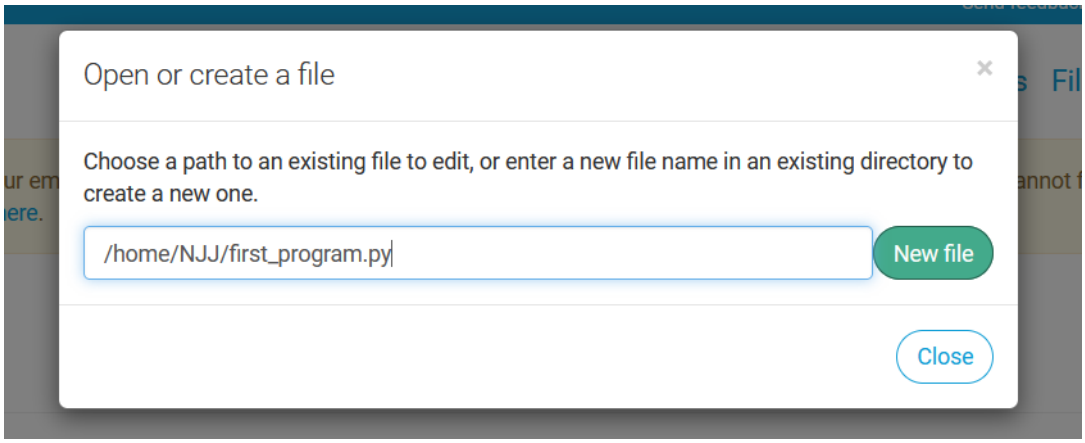


Figure 4: Create new file

6. After creating the new file, you will be directed to editor window. Write the code to print "Hello World" as shown in Figure 5. Save the file and click on "Run this file".

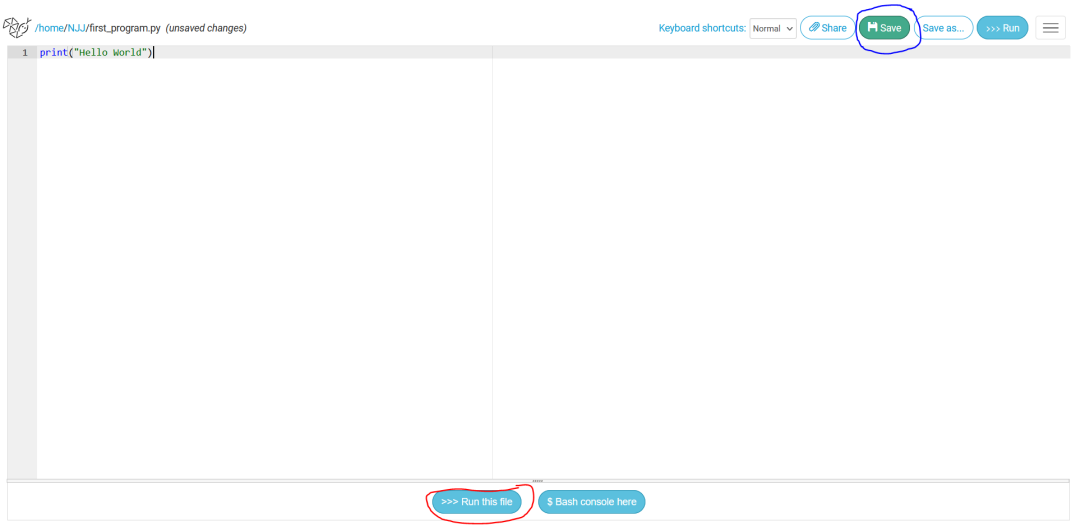


Figure 5: Hello World program

7. Upon successful compilation, you should see a "Hello World" printed in the python console. Refer Figure 6.

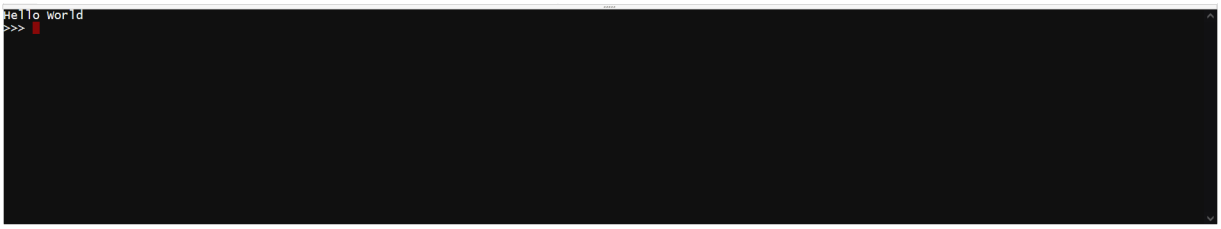


Figure 6: Hello World program

## 1.2 CodeSkulptor

1. Open CodeSkulptor in your favourite web-browser.
2. Write the code for printing "Hello World" under the "Code" window pane. Refer 7

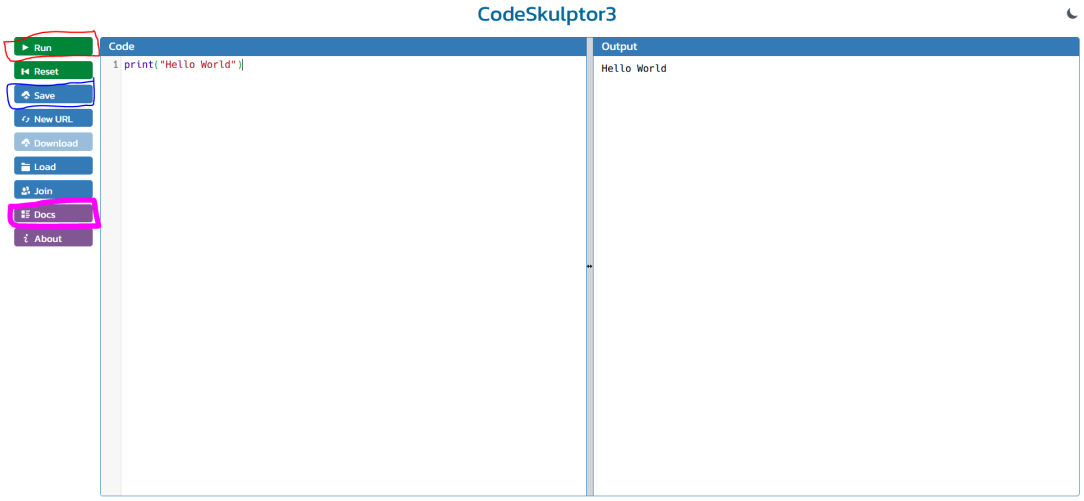


Figure 7: CodeSkulptor3 window

3. "Run" button highlighted in red will execute the written code and output will be printed under the "Output" window pane.
4. You can save your code using "Save" button highlighted in blue.
5. Refer to docs to check the basic types and operation supported by python

# 2 Task and Submission

After becoming familiar with python environment and writing "hello world" program, your task is to modify the above program to print **Your Name** and **Roll Number**. You need to submit the screenshot of the code and the output. While taking the screenshot, the whole browser window should be visible.