Python Installation Guide — - Nidhi Ghorpade
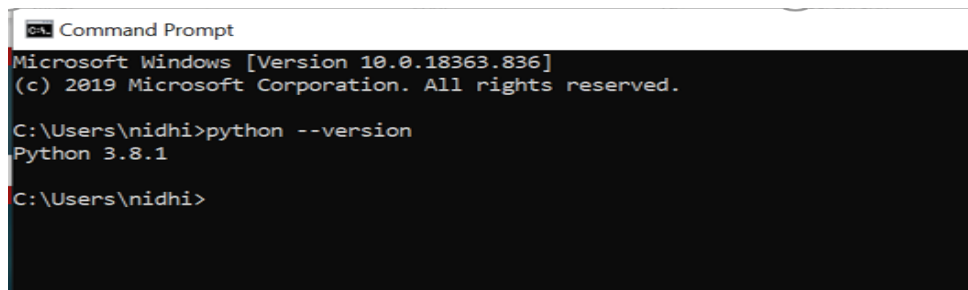
1. **How to install an Integrated Development Environment –**

   ▪ Step 1 –>
   - Install an IDE (Integrated Development environment) such as Visual Studio Code.
   - Download link (Download depending on your operating systm) - https://code.visualstudio.com/download

   - Follow the links below for a step by step installation guide –
     - For Windows users –
       https://code.visualstudio.com/docs/setup/windows
     - For Mac users –
       https://code.visualstudio.com/docs/setup/mac
     - For Linux users –
       https://code.visualstudio.com/docs/setup/linux

2. **How to install Python –**

   ▪ Step 1 ->
   - Install python
   - Download link (Download depending on your operating system) and then - https://www.python.org/downloads/

   - To check if the download was successful –
   Access to a **command-line**/**terminal window**:
     - Linux:
       Ctrl-Alt-T, Ctrl-Alt-F2.
     - Windows:
       Win+R > type **cmd** > Enter/OK.
     - MacOS:
       Finder > Applications > Utilities > **Terminal**.

```
Command Prompt
Microsoft Windows [Version 10.0.18363.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\nidhi>python --version
Python 3.8.1

C:\Users\nidhi>
```

3. **How to install Python in Visual Studio Code –**
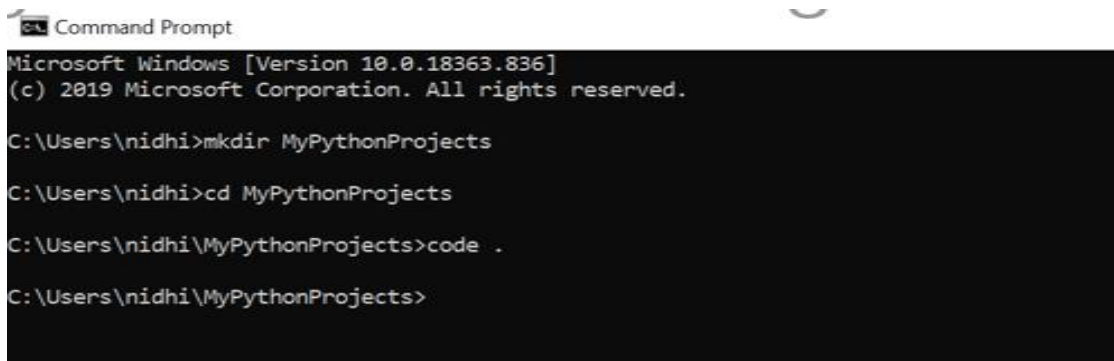
   ▪ Step 1 -

- **Go to your command prompt –**
- **Create a new directory and name it.**
  > mkdir MyPythonProjects <mark>**// (I have named it MyPythonProjects, you can name it according to your wish).**
   // mkdir is the command used to make a new directory.</mark>

- Step 2 -
- ➢ **Go into that directory using the command.**
   > cd MyPythonProjects
   <mark>**// cd stands for Change Directory**</mark>

- Step 3 -
- ➢ **Now let us open this directory in Visual Studio Code using the command.**
   > code .
- **It will directly open Visual Studio Code after this command.**

```
Command Prompt
Microsoft Windows [Version 10.0.18363.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\nidhi>mkdir MyPythonProjects

C:\Users\nidhi>cd MyPythonProjects

C:\Users\nidhi\MyPythonProjects>code .

C:\Users\nidhi\MyPythonProjects>
```
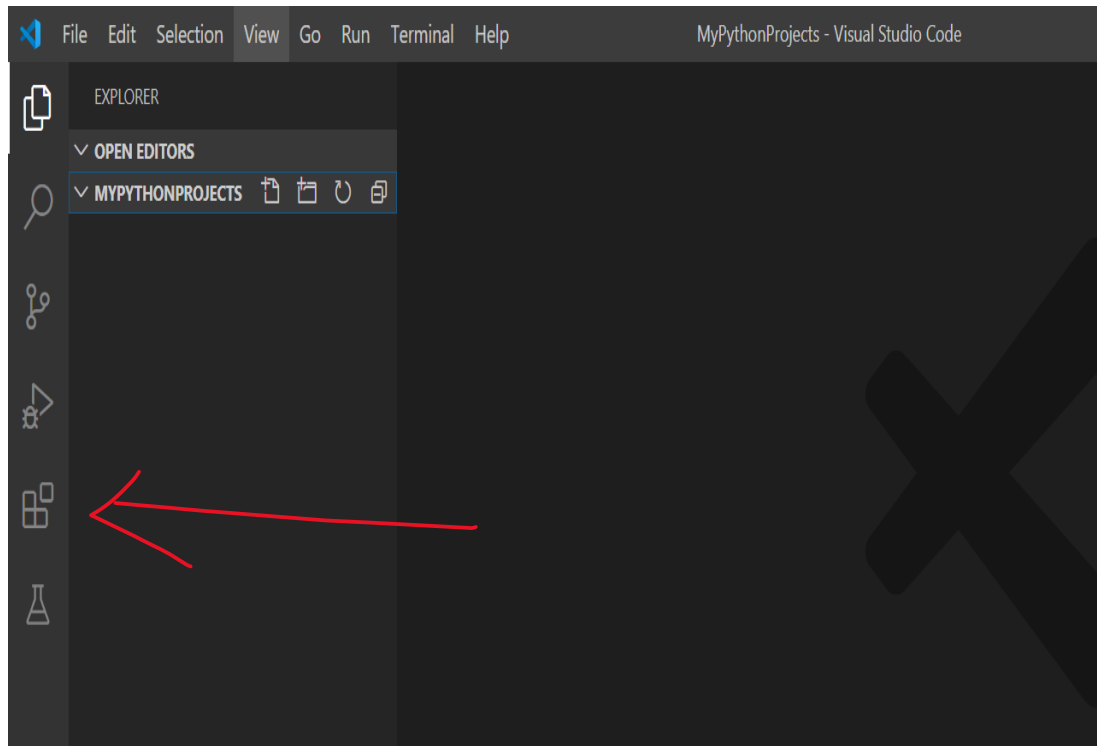
- Step 4 –
- ➢ **When you open visual studio code, on the left-hand side, select the extension option as shown in the below picture and type -**
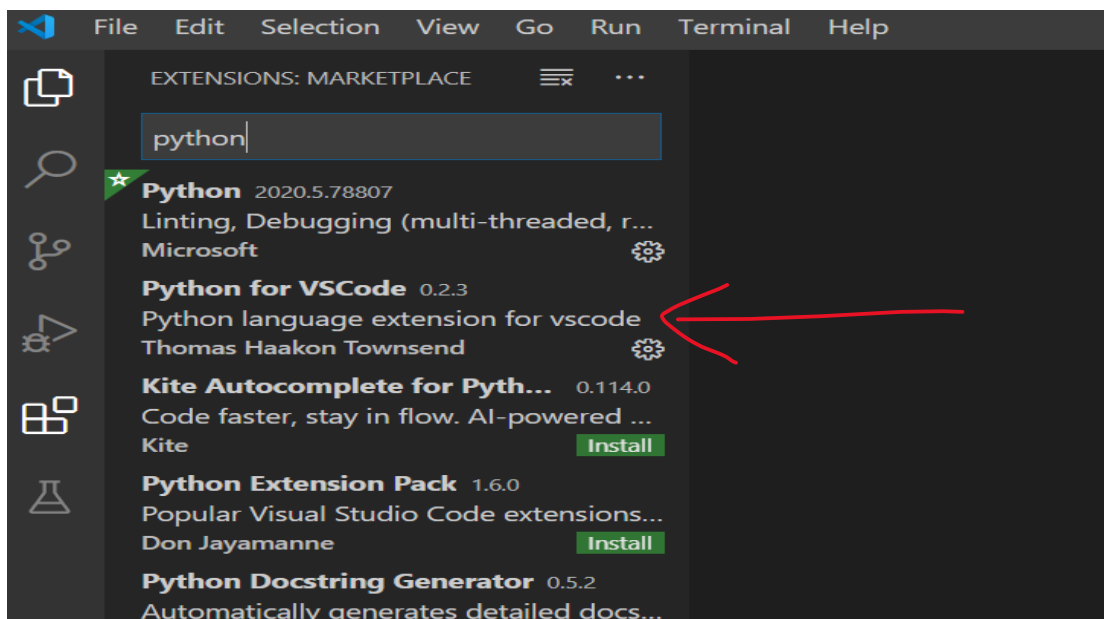   **> Python.**

- Step 5 –
  - It will give you a few options, install the one highlighted in the picture and install it. (I have already installed it, so it won't show the install option again. But for everyone else it will show an install option).

4. Write your first "Hello World" code in Python using Visual Studio Code –

1) Now go back to the explorer and select your directory.

2) Create hello.py file.

There will be an option write next to your folder name that says create a new file.
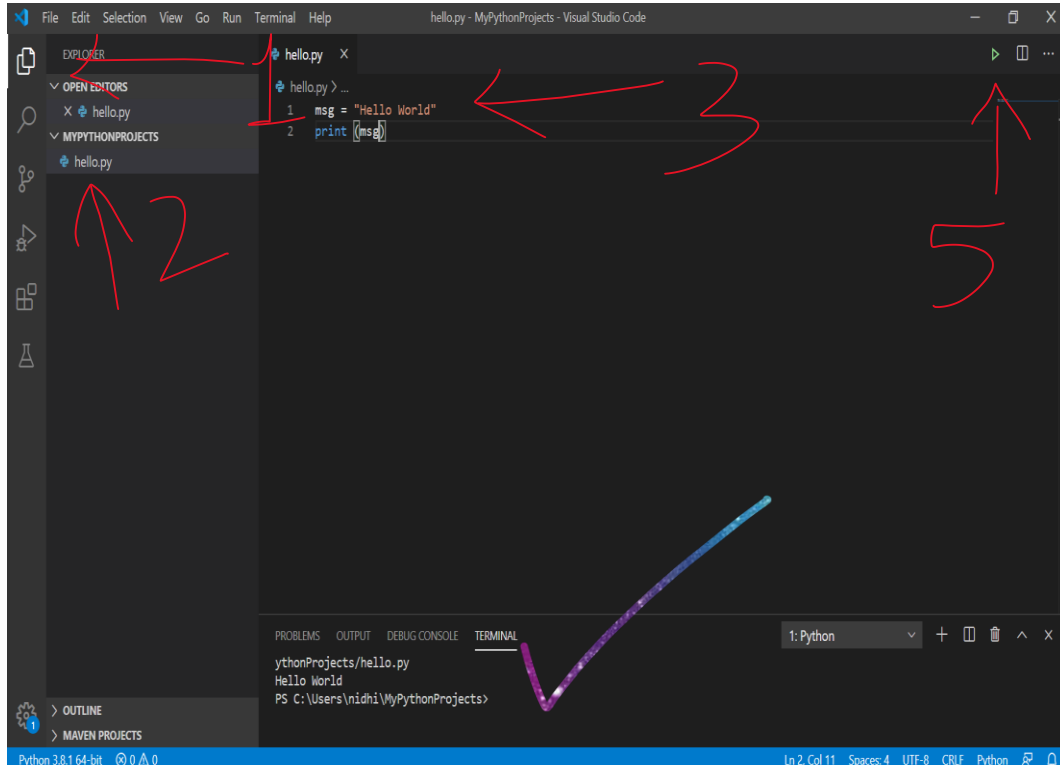
3) Write the two lines of code.

msg = "Hello World"
print (msg)

OR

print ('Hello World')

4) And click the arrow to run the code.
Check the bottom Terminal which displays your hello world text!!!
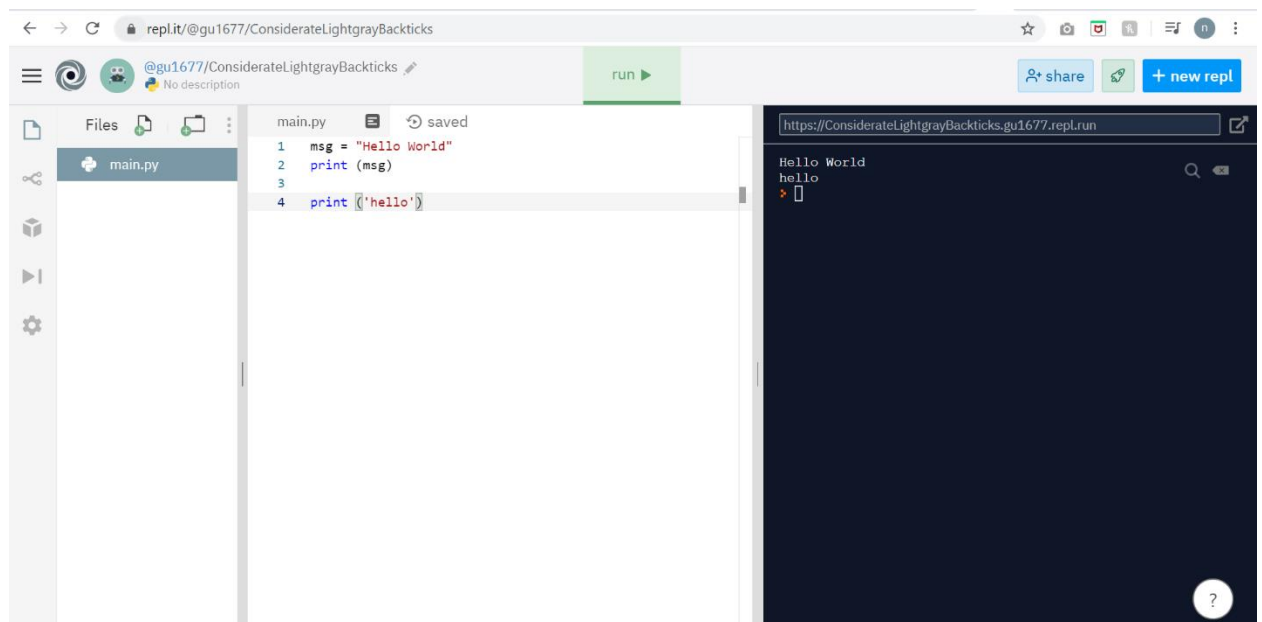
+ For the people who won't be able to download Python on their work computers, here is a link to an online editor to execute and run their python codes.

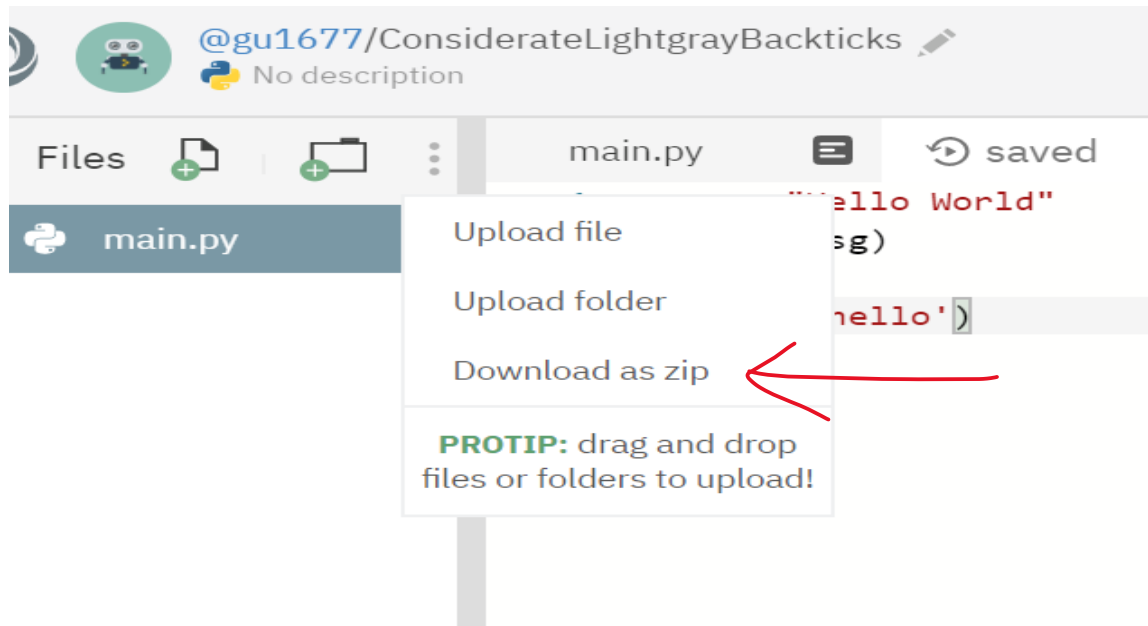https://repl.it/repls/RashSplendidConditionals

//You can execute your code online and also save the zip file of your codes. Once the zip file is downloaded you will see your file with .py extension. You can open this file using any text editor.
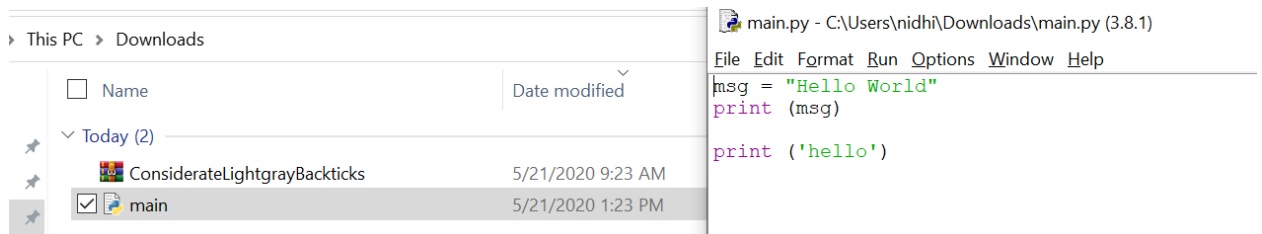
Find the pictures below for reference.

//So this is how it downloads a zip file and then your main.py code which you just wrote on the online editor.

GOOD JOB!!!

Let me know if you have any questions.

Thanks.

---X---