Setup:

Make sure you have installed Visual Studio code "VS code" before starting. Follow the given steps to install.

Step 1: Download VS Code

1. Open your web browser (Chrome, Edge, Firefox, etc.).
2. Go to the official VS Code website: https://code.visualstudio.com/
3. Click on the **"Download for [Your OS]"** button. It will automatically detect your operating system.
    - o **Windows:** Download the `.exe` file.
    - o **Mac:** Download the `.dmg` file.
    - o **Linux:** Download the appropriate `.deb` or `.rpm` file.

Step 2: Install VS Code

For Windows Users:

1. Open the downloaded `.exe` file.
2. Click **"Run"** if prompted.
3. Click **"Next"** to continue the setup.
4. Accept the **license agreement** and click **"Next"**.
5. Choose the installation location (default is fine) and click **"Next"**.
6. Check the boxes for:
    - o "Add to PATH" (Important for using VS Code in the terminal)
    - o "Create a desktop icon" (Optional)
7. Click **"Install"**, then wait for it to complete.
8. Click **"Finish"** and open VS Code! 🎉

For Mac Users:

1. Open the downloaded `.dmg` file.
2. Drag the **Visual Studio Code** icon into the **Applications** folder.
3. Open VS Code from the Applications folder or by searching in Spotlight (Cmd + Space).

For Linux Users:

- **Debian/Ubuntu:**
    1. Open **Terminal** (`Ctrl + Alt + T`).
    2. Navigate to the downloads folder:

    ```sh
    CopyEdit
    cd ~/Downloads
    ```

    3. Install using:

```
sh
CopyEdit
sudo dpkg -i code*.deb
sudo apt-get install -f
```

4. Run VS Code by typing `code` in the terminal.

- **Fedora/CentOS:**
  1. Open **Terminal**.
  2. Navigate to the downloads folder:

```
sh
CopyEdit
cd ~/Downloads
```

  3. Install using:

```
sh
CopyEdit
sudo rpm -i code*.rpm
```

  4. Open VS Code from the applications menu or by typing `code` in the terminal.

Step 3: Set Up VS Code for Coding

1. **Open a Folder:** Click **File → Open Folder** and select a project folder.
2. **Open Terminal:** Click on the path of your folder and type **cmd**.
3. **Open VS code:** In terminal type command (**code .**).
4. **Start Coding!** Open a new file by clicking **File → New File** and save it as `first.py` or any language you are working with.