Here is a step-by-step guide on how to set up a virtual environment in VS Code and install Flask to run the code:

Step 1: Install Python and VS Code
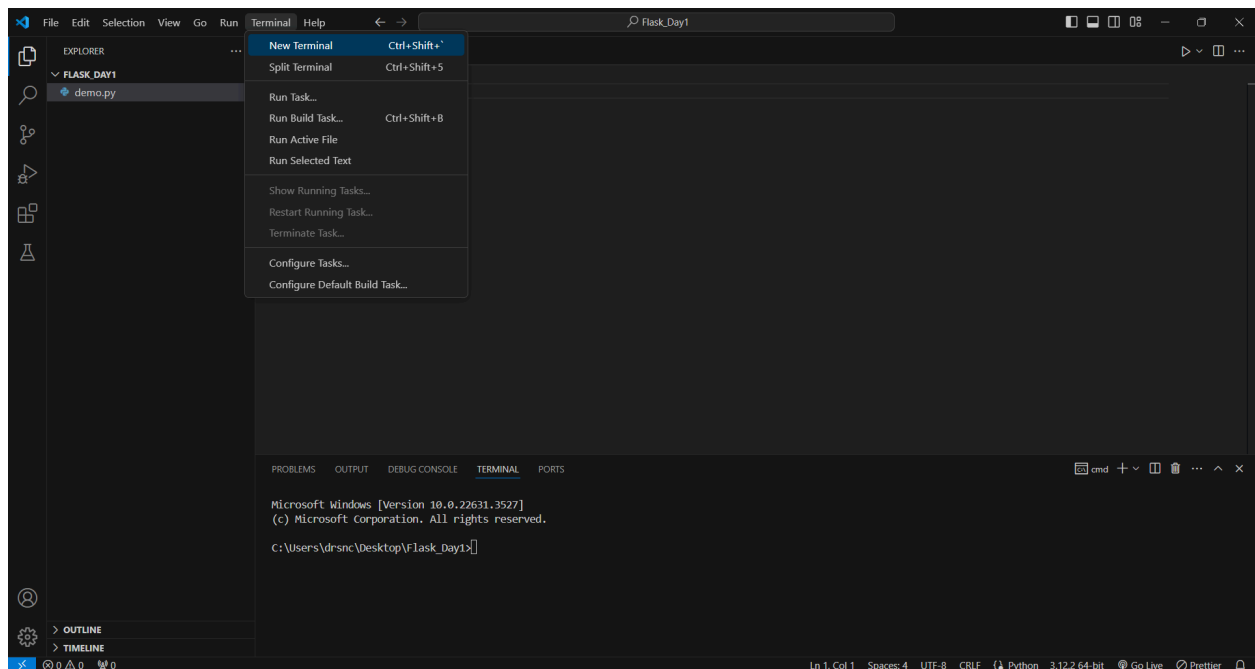
- Download and install Python from the official Python org website: (link)
- Download and install VS Code from the official VS Code website: (link)

Step 2: Create a Virtual Environment

- Open the Command Palette/ Command Prompt in VS Code by pressing Ctrl + Shift + P (for mac)/ Ctrl + Shift + ~ (for windows):
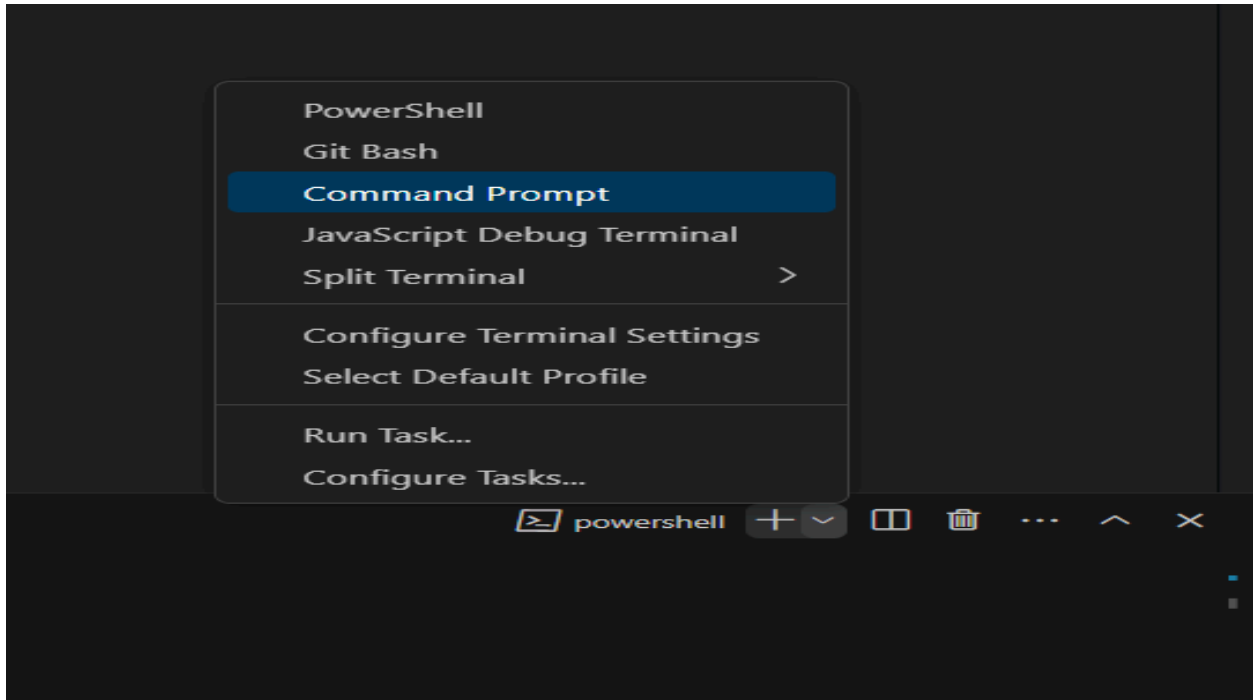
Or

Click on terminal ->New Terminal ;

By Default you will get powershell 😃

So, you have to switch to command Prompt:

Here is the corrected text:
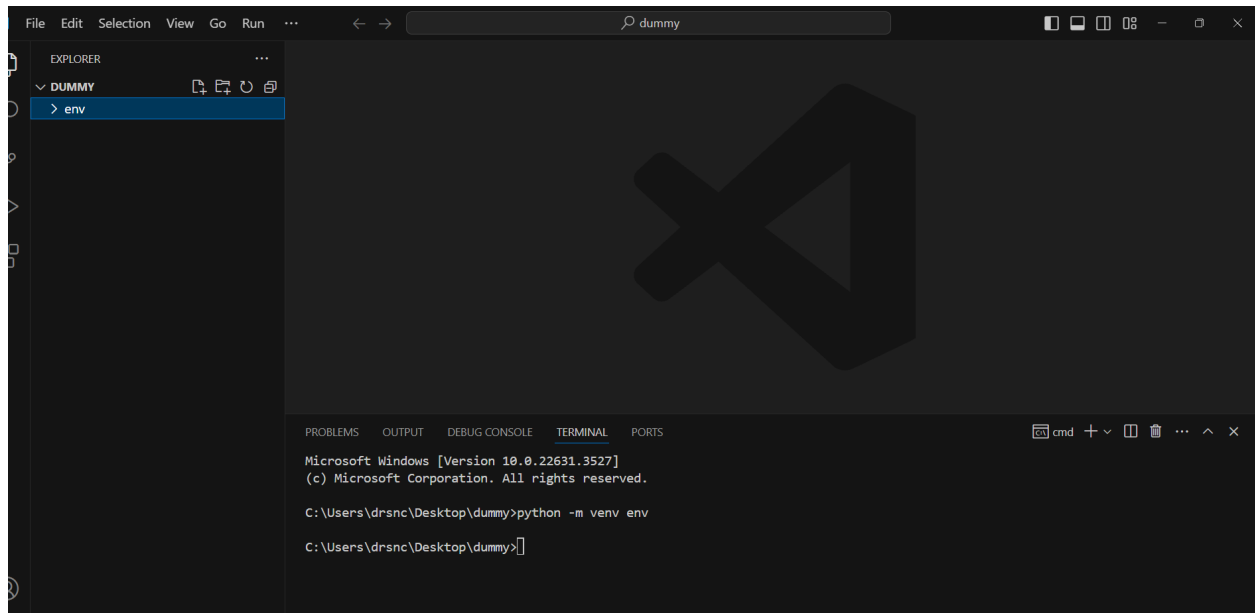
Let's Create a Virtual Environment

Before creating a virtual environment, we need to consider a few things:

- **Python Version**: The Python version your project requires, which depends on the libraries you will be using (e.g., pandas, numpy, etc.). For a simple Flask application, we typically use Python 3.7, 3.8, 3.9, or greater versions.So, download the suitable version for your project.
  .
- **Environment Name:** You can customize the name of the virtual environment. It's common to use names like "env", "venv", or "env1" for professional projects, but you can choose any name that's relevant to your project.
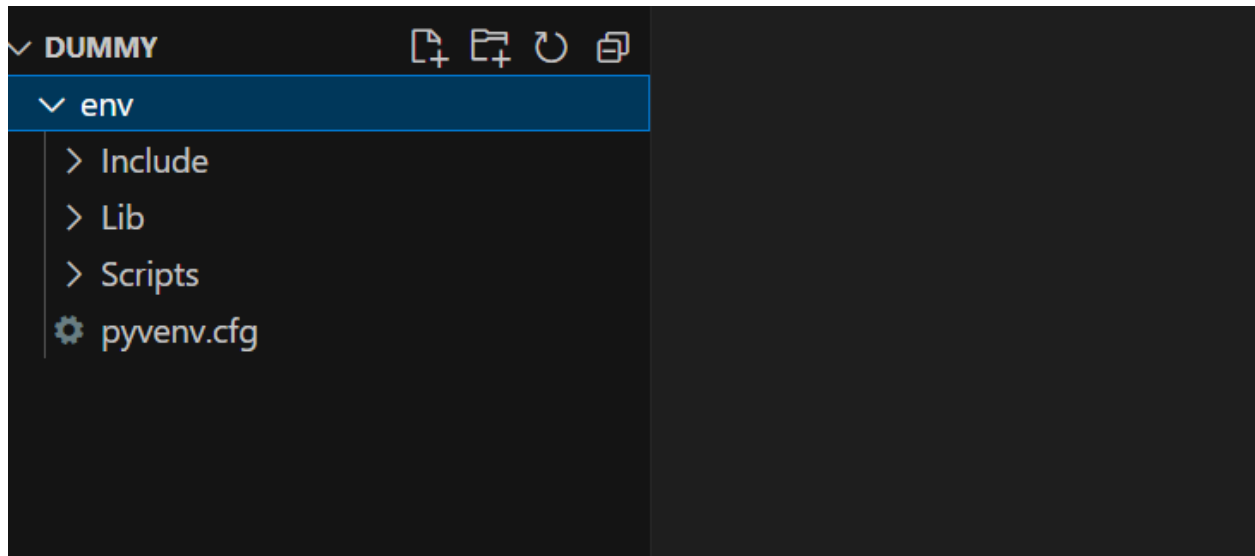
To create a virtual environment using the command:

Now type this command: **python -m venv env**

Basically **env** is your virtual environment name.

Let's see inside of **env folder:**

You can see the environment is created successfully.

Step 3: Activate the Virtual Environment

For Activating the env you have to just write this command:

env\Scripts\activate

Here env is your environment name.

See the last line env is activated.

Step 4: Install Flask
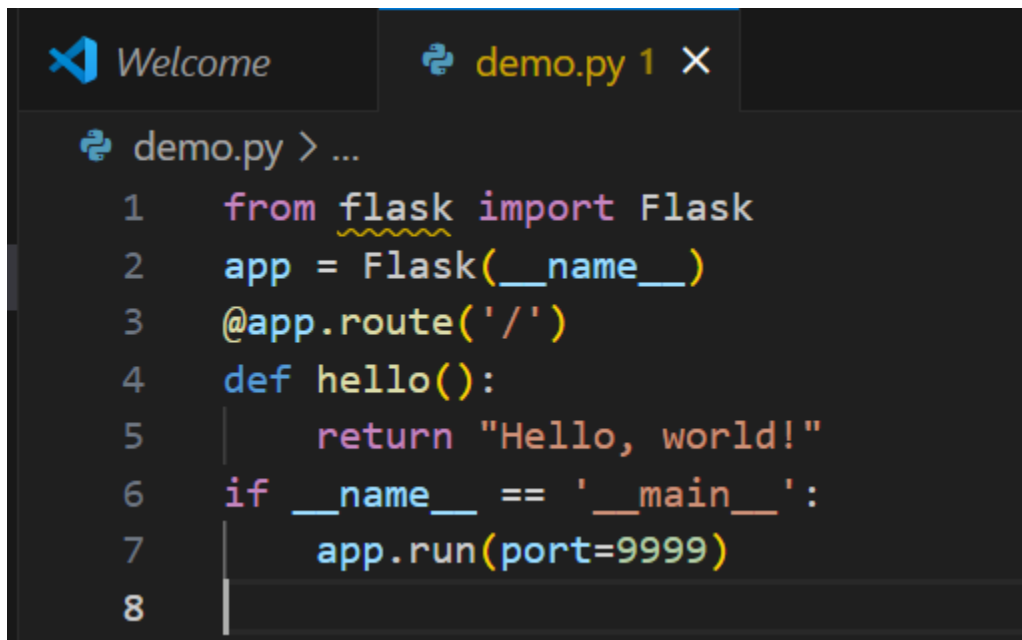
- Type **pip install flask** at command prompt and press Enter to install Flask

Step 5: Create a python(.py) file name as (demo.py) and paste this code:

```python
from flask import Flask
app = Flask(__name__)
@app.route('/')
def hello():
    return "Hello, world!"
if __name__ == '__main__':
```
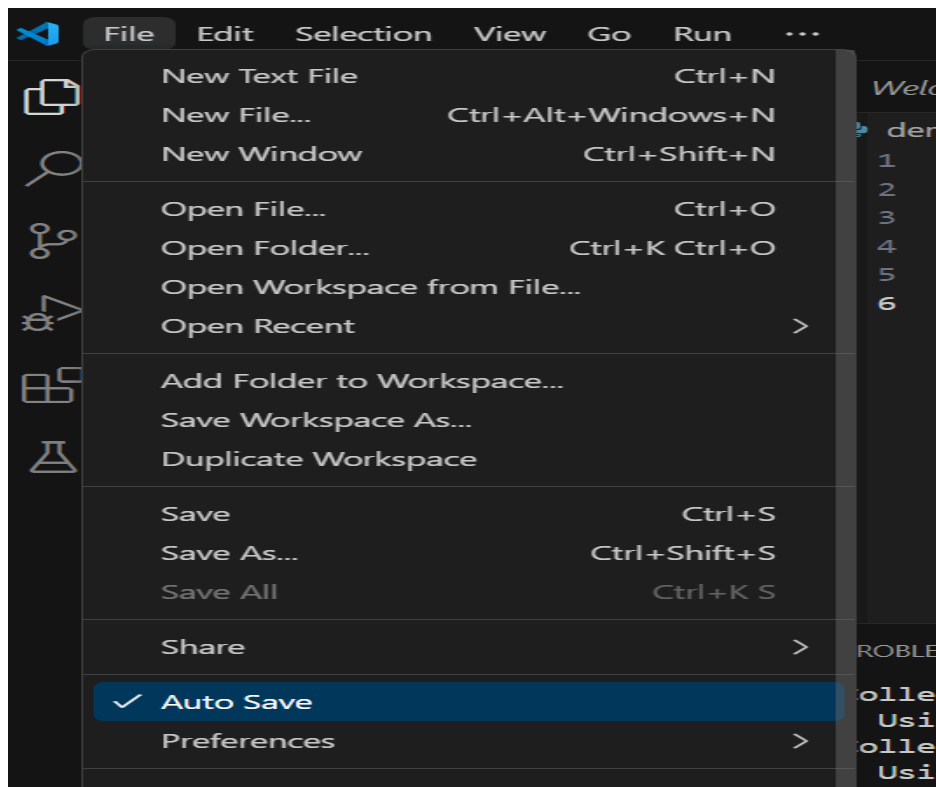
```
app.run(port=9999)
```

```python
demo.py > ...
1    from flask import Flask
2    app = Flask(__name__)
3    @app.route('/')
4    def hello():
5        return "Hello, world!"
6    if __name__ == '__main__':
7        app.run(port=9999)
8
```

Make sure you save this file.(Press+S) or autosave enabled.

Step 6: Run the Code

At the command Prompt type this command:

python demo.py

Here demo.py is the file name.

```
(C:\Users\drsnc\Desktop\Flask_Day1\env) C:\Users\drsnc\Desktop\Flask_Day1>python demo.py
 * Serving Flask app 'demo'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:9999
Press CTRL+C to quit
```

Now Copy the Hyperlink :http://127.0.0.1:9999 and paste it in your Chrome/mozila any browser.

And you will get this Output:

Hello, world!

Thanks !!