

ADVANCED PYTHON PROGRAMMING

NAME:VARSHITHA.V

REG.NO:22MID0105

SLOT:L7+L8+L27+L28

FLASK:

Open vs code create new folder as flask

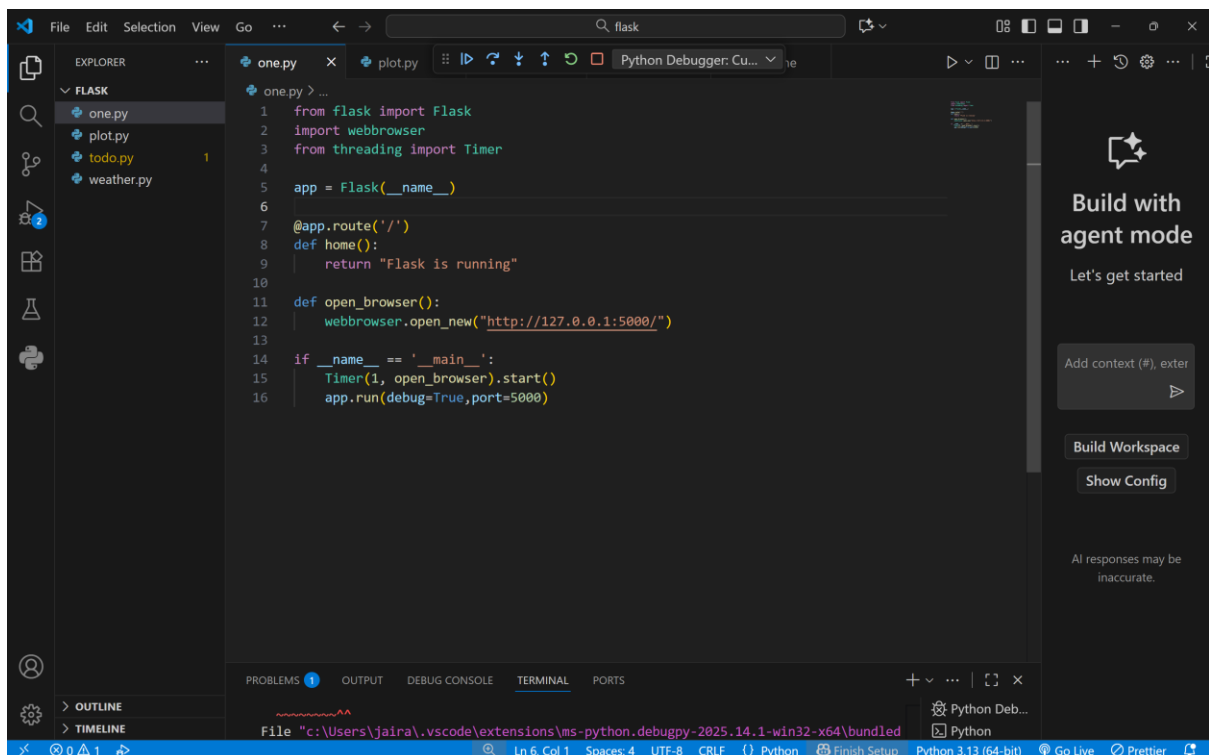
Then in that folder create new files ,

One.py:

plot.py:

todo.py:

weather.py:



The screenshot shows the Visual Studio Code editor interface. The Explorer panel on the left shows a folder named 'FLASK' containing four files: 'one.py', 'plot.py', 'todo.py', and 'weather.py'. The main editor window displays the code for 'one.py'. The code imports Flask, webbrowser, and threading.Timer. It creates a Flask app, defines a home route that returns 'Flask is running', and a function to open a browser at 'http://127.0.0.1:5000/'. The app is run with debug=True and port=5000. The bottom status bar shows the file path, line and column numbers, encoding, line endings, and the Python interpreter used.

```
1 from flask import Flask
2 import webbrowser
3 from threading import Timer
4
5 app = Flask(__name__)
6
7 @app.route('/')
8 def home():
9     return "Flask is running"
10
11 def open_browser():
12     webbrowser.open_new("http://127.0.0.1:5000/")
13
14 if __name__ == '__main__':
15     Timer(1, open_browser).start()
16     app.run(debug=True, port=5000)
```

The image shows a VS Code editor window with a Python file named `plot.py` open. The code defines a Flask application with a `home()` function and a `plot()` function. The `plot()` function generates a random data set and displays it as a scatter plot. The application is running on a local server at `http://127.0.0.1:5004`.

```
def home():
    return (
        "Simple Flask Data Dashboard<br><br>"
        "Use:<br>"
        "/plot — to view a random data chart"
    )

@app.route('/plot')
def plot():
    x = [1, 2, 3, 4, 5, 6, 7, 8, 9]
    y = [random.randint(10, 100) for _ in x]
    plt.plot(x, y, marker='o')
    plt.title("Random Data Plot")
    plt.xlabel("X")
    plt.ylabel("Y")
    buf = io.BytesIO()
```

The terminal output shows the following messages:

```
PS D:\flask> & 'c:\Users\jaira\AppData\Local\Programs\Microsoft VS Code\python\python.exe' -u -c 'import sys; sys.argv[0] = sys.argv[0].replace('\\', '\\\\'); import os; os.chdir('D:\flask'); import plot; plot.plot()'
* Serving Flask app 'plot'
* Debug mode: on
WARNING: This is a development server. Do not use it in production.
* Running on http://127.0.0.1:5004
Press CTRL+C to quit
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 947-306-342
127.0.0.1 - - [08/Nov/2025 23:14:14] "GET / HTTP/1.1"
127.0.0.1 - - [08/Nov/2025 23:14:14] "GET /favicon.ico HTTP/1.1"
127.0.0.1 - - [08/Nov/2025 23:14:16] "GET / HTTP/1.1"
```

The browser window shows the Simple Flask Data Dashboard with the following text:

Use:
/plot — to view a random data chart