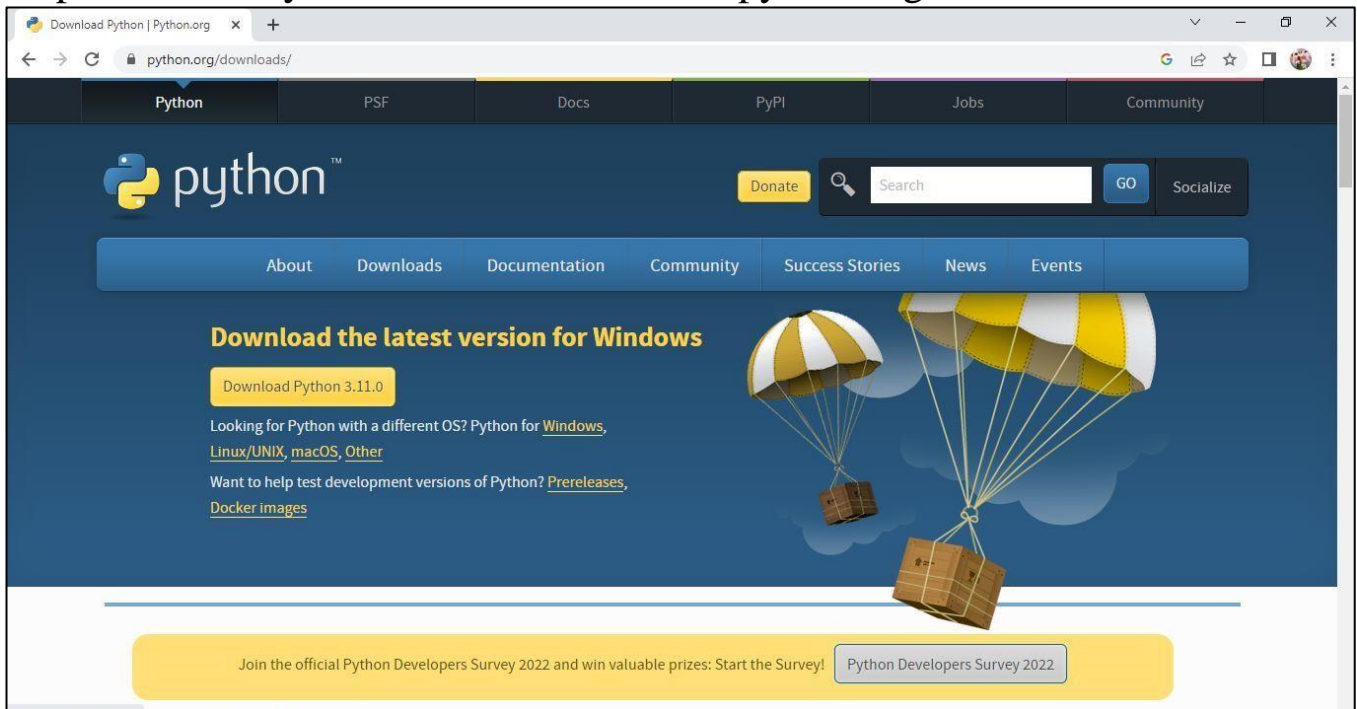


CREATE FLASK PROJECT

| | |
|--------------|---------------------------------------|
| Date | 29 October 2022 |
| Team ID | PNT2022TMID34803 |
| Project Name | Containment Zone Alerting Application |

Step 1 : Install Python latest version from python.org



Step 2 : Install Flask using the Command - pip install flask

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.1556]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Jeba\AppData\Local\Programs\Python>python --version
Python 3.10.7

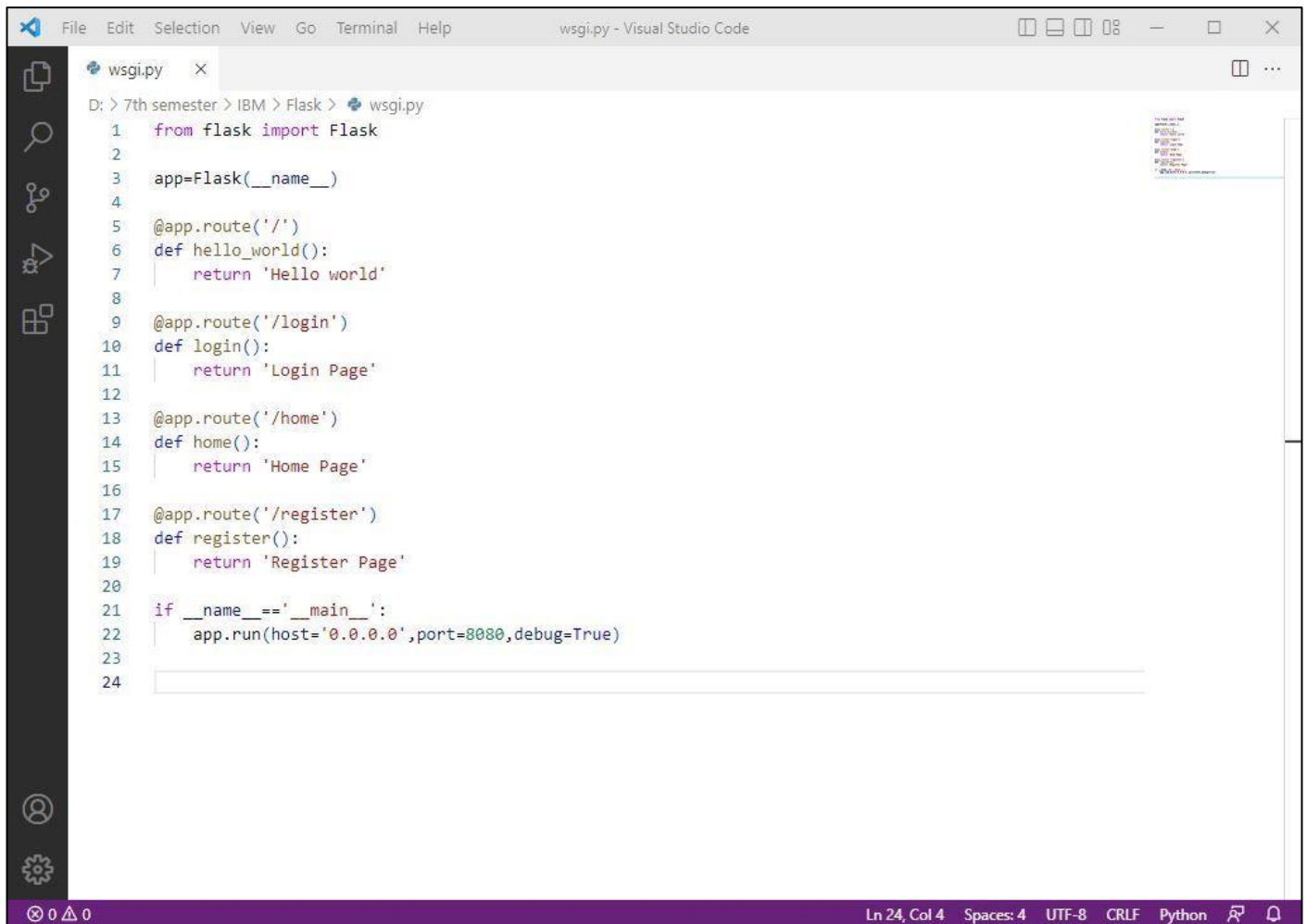
C:\Users\Jeba\AppData\Local\Programs\Python>pip -V
pip 22.2.2 from C:\Users\Jeba\AppData\Local\Programs\Python\Python310\lib\site-packages\pip (python 3.10)

C:\Users\Jeba\AppData\Local\Programs\Python>pip install f
Collecting f
  Downloading f-0.0.1-py2.py3-none-any.whl (10 kB)
Collecting six
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, f
Successfully installed six-1.16.0 f-0.0.1

C:\Users\Jeba\AppData\Local\Programs\Python>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
----- 101.5/101.5 kB 720.0 kB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
----- 232.7/232.7 kB 1.0 MB/s eta 0:00:00
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
----- 96.6/96.6 kB 785.0 kB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
----- 133.1/133.1 kB 1.1 MB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1-cp310-cp310-win_amd64.whl (17 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.5 flask-2.2.2 itsdangerous-2.1.2

C:\Users\Jeba\AppData\Local\Programs\Python>flask --version
Python 3.10.7
Flask 2.2.2
Werkzeug 2.2.2
```

Step 3 : Open a new Python File and start coding

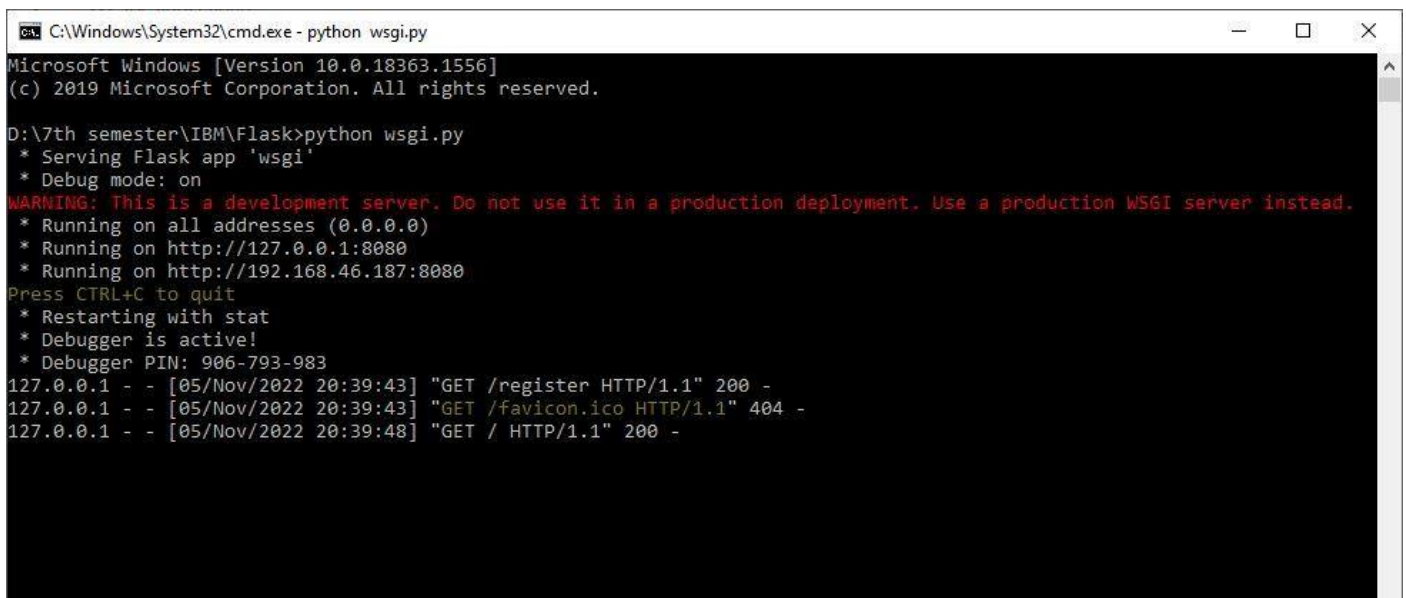


The image shows a Visual Studio Code window with a file named `wsgi.py` open. The file contains a Flask application with the following code:

```
1 from flask import Flask
2
3 app=Flask(__name__)
4
5 @app.route('/')
6 def hello_world():
7     return 'Hello world'
8
9 @app.route('/login')
10 def login():
11     return 'Login Page'
12
13 @app.route('/home')
14 def home():
15     return 'Home Page'
16
17 @app.route('/register')
18 def register():
19     return 'Register Page'
20
21 if __name__ == '__main__':
22     app.run(host='0.0.0.0', port=8080, debug=True)
23
24
```

The status bar at the bottom indicates the file is at line 24, column 4, using UTF-8 encoding with CRLF line endings, and the Python interpreter is selected.

Step 4 : Run the Python File using the Command – `python filename.py`



The image shows a Windows Command Prompt window with the following output:

```
C:\Windows\System32\cmd.exe - python wsgi.py
Microsoft Windows [Version 10.0.18363.1556]
(c) 2019 Microsoft Corporation. All rights reserved.

D:\7th semester\IBM\Flask>python wsgi.py
* Serving Flask app 'wsgi'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:8080
* Running on http://192.168.46.187:8080
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 906-793-983
127.0.0.1 - - [05/Nov/2022 20:39:43] "GET /register HTTP/1.1" 200 -
127.0.0.1 - - [05/Nov/2022 20:39:43] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [05/Nov/2022 20:39:48] "GET / HTTP/1.1" 200 -
```

Step 6 : Open the Ip in browser

