

SETTING UP APPLICATION ENVIRONMENT

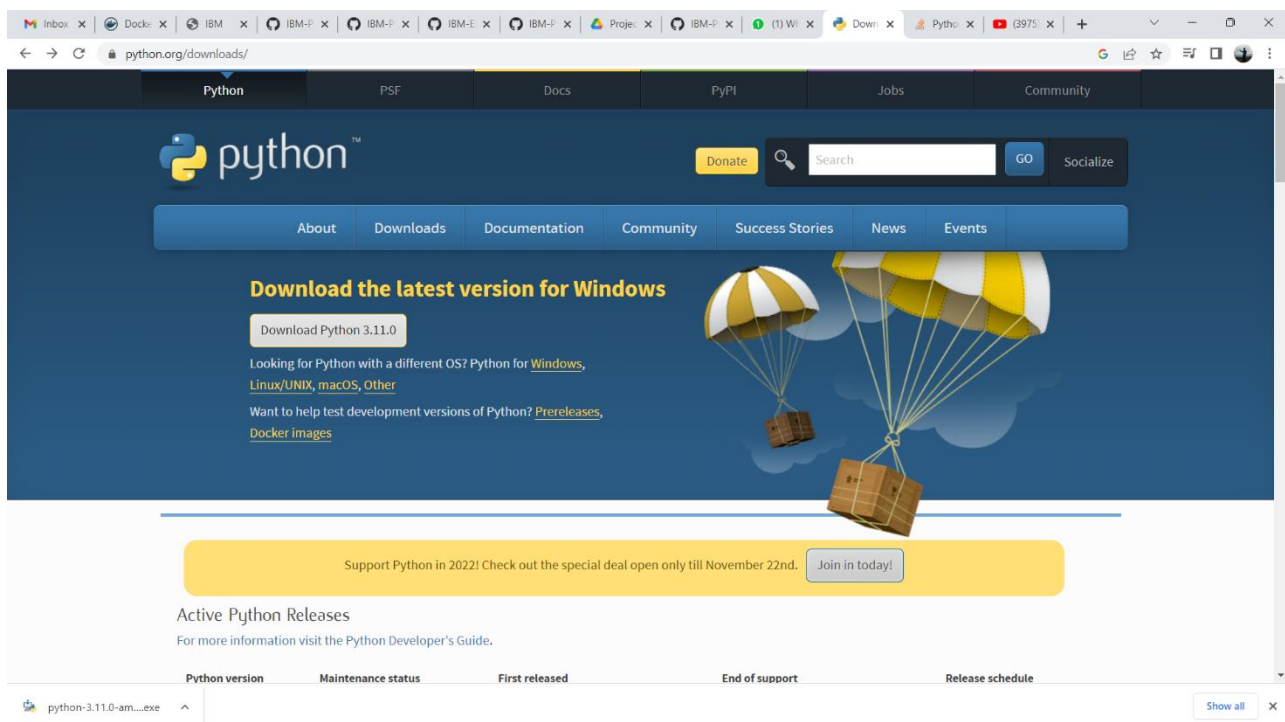
CREATE FLASK PROJECT

TEAM ID	PNT2022TMID08249
PROJECT NAME	Containment Zone Alerting Application

Six Steps have been followed to create Flask Project.

The Steps that we have followed have been described below

Step 1. Install Python latest version from python.org



Step 2. Download Anaconda from <https://www.anaconda.com/>

and install it by running the .exe file

Step 3. Install Flask using command pip install flask

```
Microsoft Windows [Version 10.0.22621.674]
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C:\Users\insb6>python --version
Python 3.11.0

C:\Users\insb6>pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.16.6-py3-none-any.whl (8.8 MB)
    8.8/8.8 MB 491.6 kB/s eta 0:00:00
Collecting distlib<1, >=0.3.6
  Downloading distlib-0.3.6-py2.py3-none-any.whl (468 kB)
    468.5/468.5 kB 1.3 MB/s eta 0:00:00
Collecting filelock<4, >=3.4.1
  Downloading filelock-3.8.0-py3-none-any.whl (10 kB)
Collecting platformdirs<3, >=2.4
  Downloading platformdirs-2.5.3-py3-none-any.whl (14 kB)
Installing collected packages: distlib, platformdirs, filelock, virtualenv
Successfully installed distlib-0.3.6 filelock-3.8.0 platformdirs-2.5.3 virtualenv-20.16.6

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\insb6>
```

```
C:\Users\insb6>python -m virtualenv env
created virtual environment CPython3.11.0.final.0-64 in 61545ms
creator CPython3Windows(dest=C:\Users\insb6\env, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\insb6\AppData\Local\pypa\virtualenv)
added seed packages: pip==22.3, setuptools==65.5.0, wheel==0.37.1
activators BashActivator, BatchActivator, FishActivator, NushellActivator, PowerShellActivator, PythonActivator

C:\Users\insb6>.\env\scripts\activate
(env) C:\Users\insb6>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    101.5/101.5 kB 243.3 kB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    232.7/232.7 kB 749.0 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 605.2 kB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    96.6/96.6 kB 616.8 kB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1.tar.gz (18 kB)
    Preparing metadata (setup.py) ... done
Building wheels for collected packages: MarkupSafe
  Building wheel for MarkupSafe (setup.py) ... done
  Created wheel for MarkupSafe: filename=MarkupSafe-2.1.1-py3-none-any.whl size=9650 sha256=aac7e38ba463e5824df433c93e5adcd9e68320b3d918b4863afcbf7c1e5265b6
  Stored in directory: c:\users\insb6\appdata\local\pip\cache\wheels\96\ee\62\407c247ad088bcb67b530ba3ac1479058c58a651bd6bf09a1f
Successfully built MarkupSafe
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-0.4.6 flask-2.2.2 itsdangerous-2.1.2

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(env) C:\Users\insb6>
```

Step 4. Open a new Python file and start coding

```
from flask import Flask
```

```
app = Flask(name__)
```

```
@app.route('/')
```

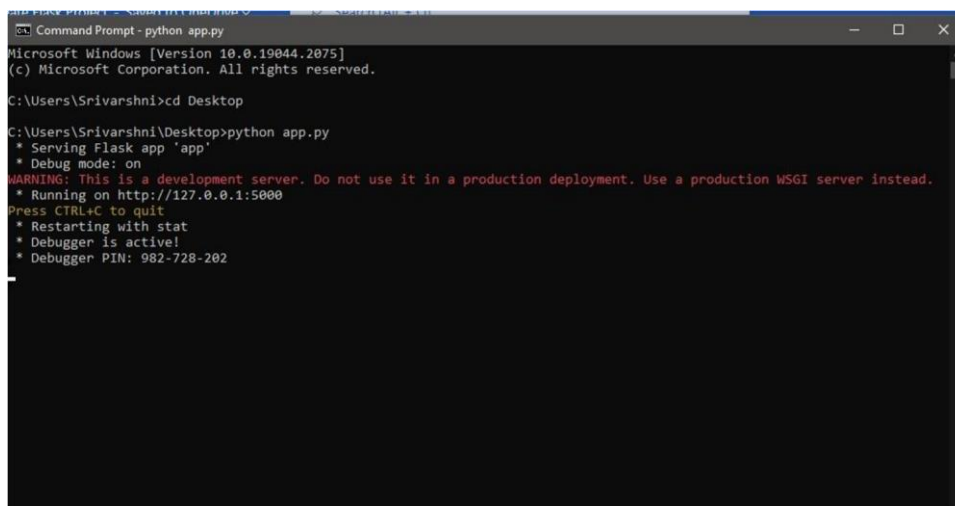
```
def hello():
```

```
    return "Hello World"
```

```
if __name__ == '__main__':
```

```
    app.run(debug=True)
```

Step 5. Run the Python file using command `python filename.py`



```
Command Prompt - python app.py
Microsoft Windows [Version 10.0.19044.2075]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Srivarshni>cd Desktop
C:\Users\Srivarshni\Desktop>python app.py
 * Serving Flask app 'app'
 * 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 http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 982-728-202
```

Step 6: Open the Ip in browser

