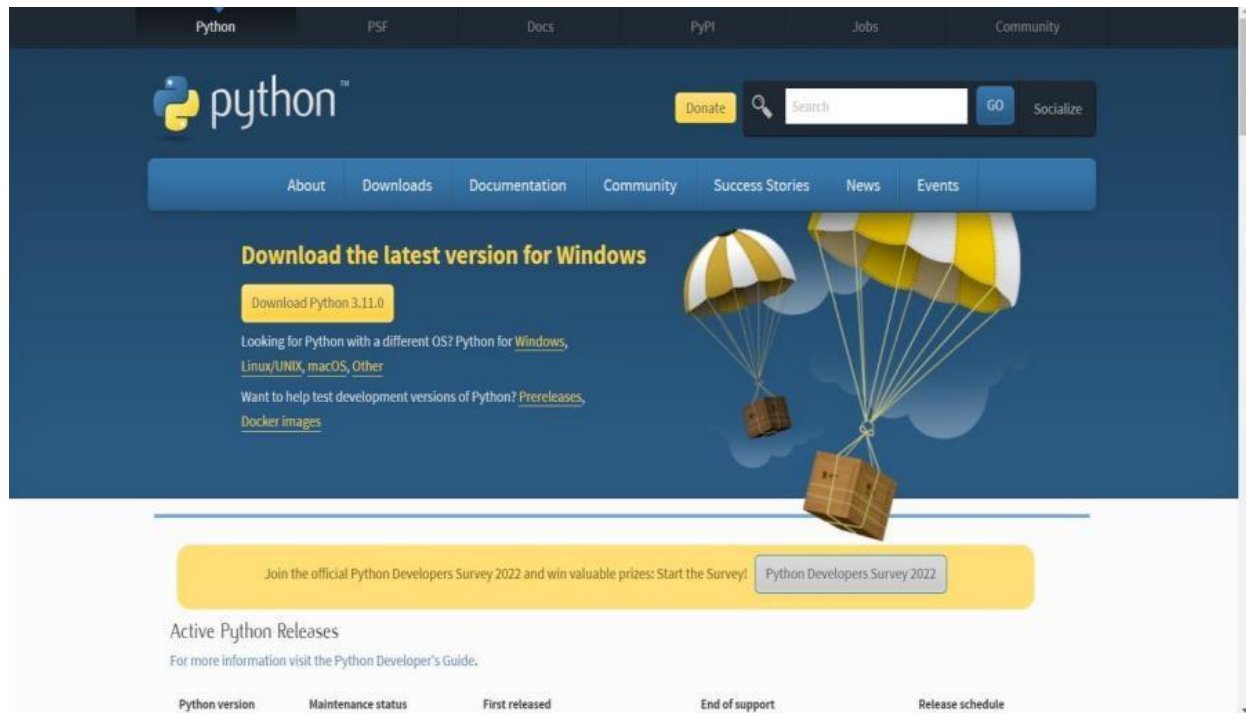


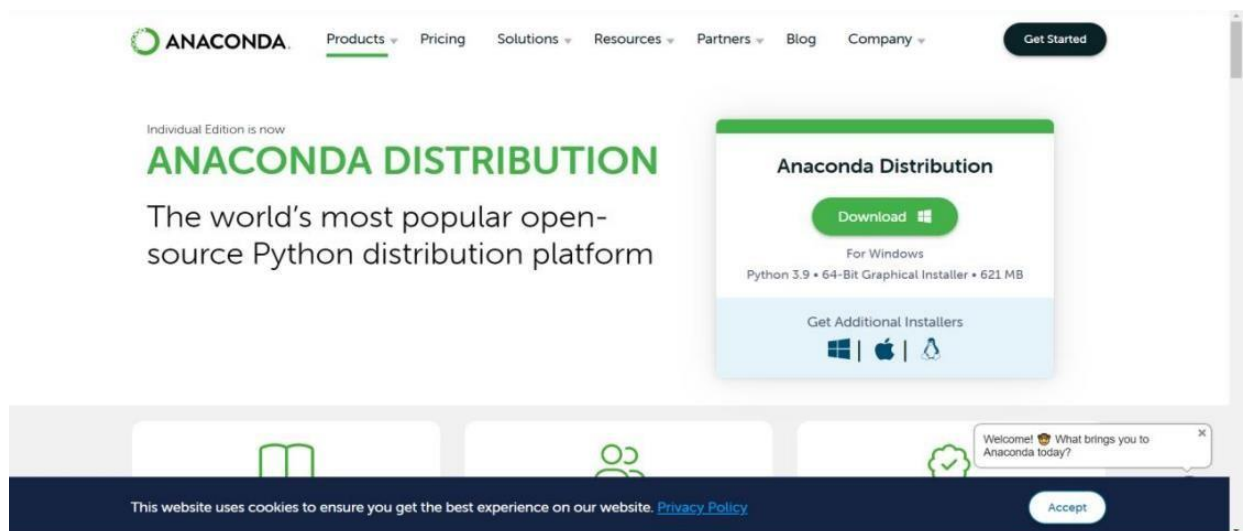
Create a Flask Application

Date	04 November 2022
Team ID	PNT2022TMID05098
Project Name	Containment Zone Alerting Application

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

```
Command Prompt
Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
----- 101.5/101.5 kB 970.6 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 648.5 kB/s eta 0:00:00
Requirement already satisfied: Jinja2>=3.0 in c:\users\naren\appdata\local\programs\python\python39\lib\site-packages (from flask) (3.0.1)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
----- 96.6/96.6 kB 1.1 MB/s eta 0:00:00
Collecting importlib-metadata>=3.6.0
  Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
Requirement already satisfied: colorama in c:\users\naren\appdata\local\programs\python\python39\lib\site-packages (from click>=8.0->flask) (0.4.4)
Collecting zipp>=0.5
  Downloading zipp-3.10.0-py3-none-any.whl (6.2 kB)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\naren\appdata\local\programs\python\python39\lib\site-packages (from Jinja2>=3.0->flask) (2.0.1)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1-cp39-cp39-win_and64.whl (17 kB)
Installing collected packages: zipp, MarkupSafe, itsdangerous, click, Werkzeug, importlib-metadata, flask
  Attempting uninstall: MarkupSafe
    Found existing installation: MarkupSafe 2.0.1
    Uninstalling MarkupSafe-2.0.1:
      Successfully uninstalled MarkupSafe-2.0.1
Successfully installed MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 importlib-metadata-5.0.0 itsdangerous-2.1.2 zipp-3.10.0

[notice] A new release of pip available: 22.1.2 -> 22.3
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Naren>
```

Step 4: Open a new Python file and start coding

```
File Edit Selection View Go Run Terminal Help app.py - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

app.py x
C:\Users> user > Downloads > app.py
1 from flask import Flask
2 app = Flask(__name__)
3
4 @app.route('/')
5 def hello_world():
6     return 'Hello, World!'
7
8 if __name__ == "__main__":
9     app.run()
```

Step 5: Run the Python file using command `python filename.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: 858-048-661
127.0.0.1 - - [29/Oct/2022 22:00:18] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [29/Oct/2022 22:00:18] "GET /favicon.ico HTTP/1.1" 404 -
```

Step 6: Open the IP in browser

Hello World