

Containment zone Alerting Application

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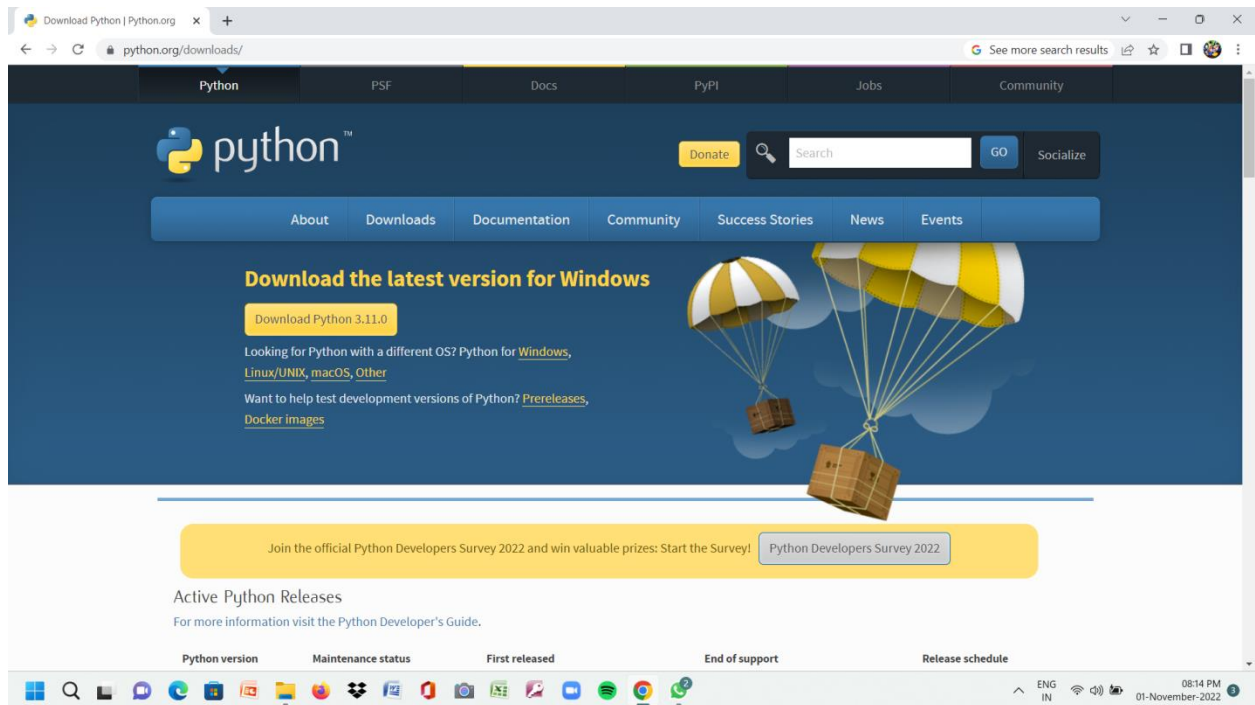
Setting up Application environment

Create flask project

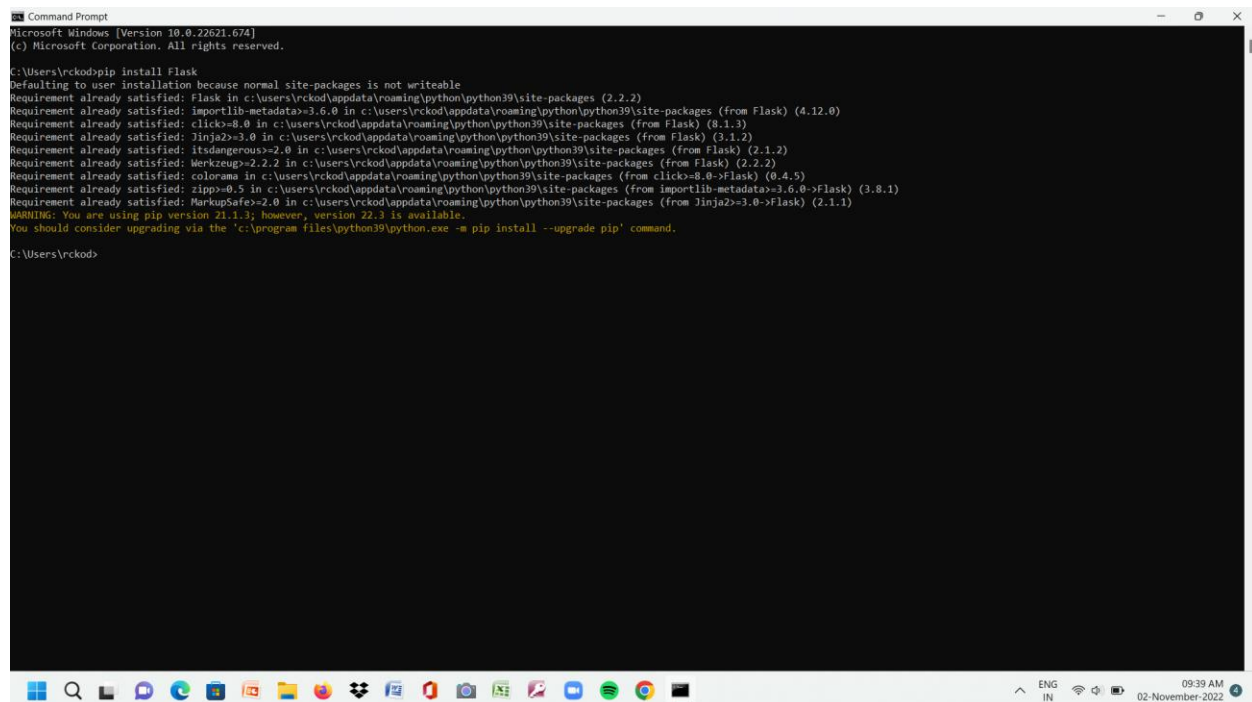
Six steps have been followed to create flask project.

The steps that we have followed have been described below.

Step:1 Install python latest version from python.org



Step:2 Using this command “pip install Flask” to check the Flask is properly installed or not.



```
Microsoft Windows [Version 10.0.22621.674]
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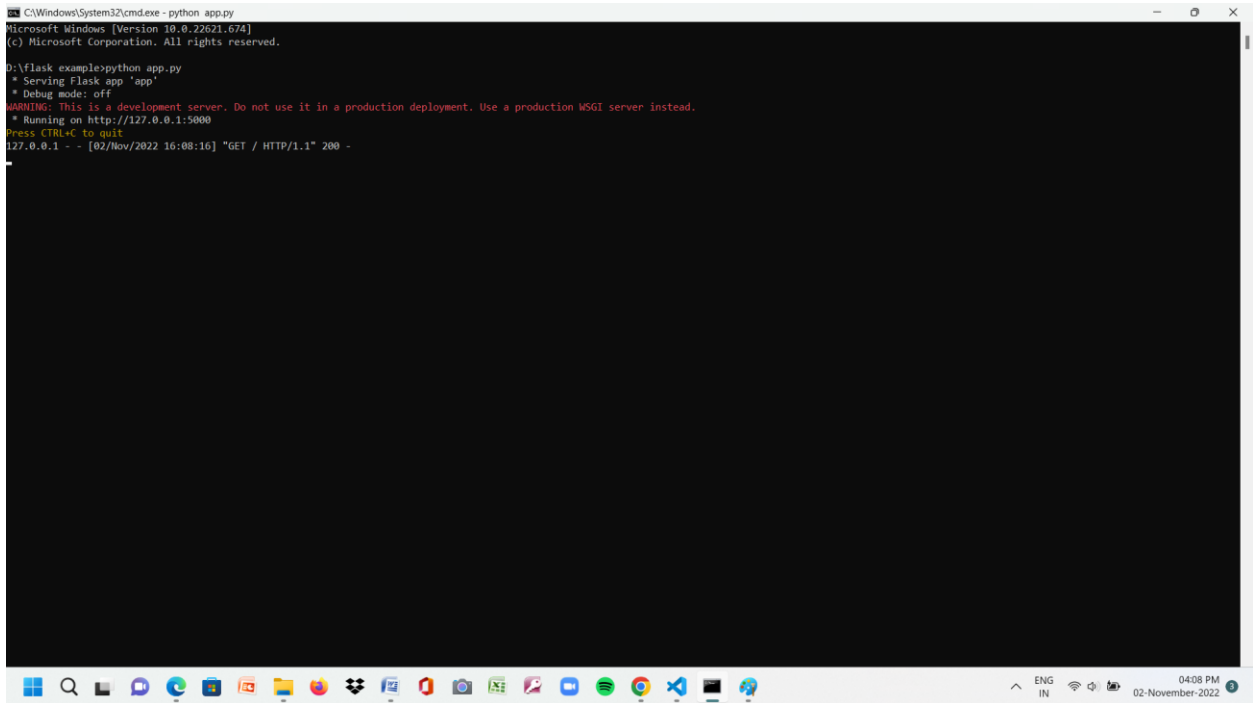
C:\Users\rckod>pip install Flask
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: Flask in c:\users\rckod\appdata\roaming\python\python39\site-packages (2.2.2)
Requirement already satisfied: importlib-metadata>=3.6.0 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Flask) (4.12.0)
Requirement already satisfied: click>=8.0 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Flask) (8.1.3)
Requirement already satisfied: Jinja2>=3.0 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Flask) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Flask) (2.1.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Flask) (2.2.2)
Requirement already satisfied: colorama in c:\users\rckod\appdata\roaming\python\python39\site-packages (from click>=8.0->Flask) (0.4.5)
Requirement already satisfied: zipp>=0.5 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from importlib-metadata>=3.6.0->Flask) (3.8.1)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\rckod\appdata\roaming\python\python39\site-packages (from Jinja2>=3.0->Flask) (2.1.1)
WARNING: You are using pip version 21.1.3; however, version 22.3 is available.
You should consider upgrading via the 'c:\program files\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\rckod>
```

Step 3 : open new python file and start coding

```
from flask import Flask
app=Flask(__name__)
@app.route('/')
def alert_notification():
    return 'Alert notification'
if __name__=='__main__':
    app.run()
```

Step 4: Run the python file using command python filename.py



A screenshot of a Windows command prompt window titled "C:\Windows\System32\cmd.exe - python app.py". The window shows the output of running a Flask application. The text displayed is as follows:

```
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D:\flask example>python app.py
* Serving Flask app 'app'
* 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://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [02/Nov/2022 16:08:16] "GET / HTTP/1.1" 200 -
```

The taskbar at the bottom shows various application icons and the system clock indicating 04:08 PM on 02-November-2022.

Step 5: open in browser

