

Setting Up Application Environment

Create flask project

Date	17 Nov 2022
Team ID	PNT2022TMID46363
Project Name	Containment Zone Alerting Application
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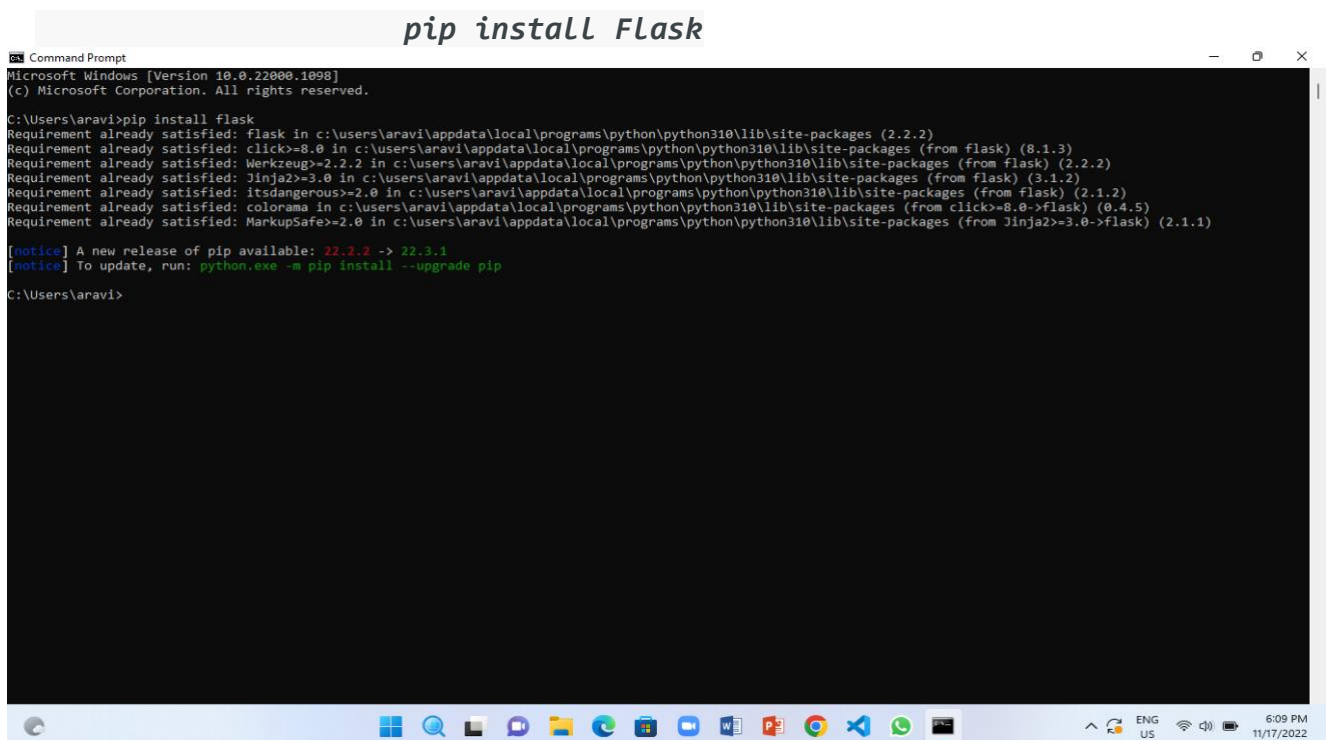
Step 1:

Install the latest version of Python in your desktop, link: <https://www.python.org/downloads/>.

Step 2:

After that, Create new file in your desktop and open command prompt here and type this below command to install the flask. Then the flask will install in few seconds ass shown below:

```
pip install Flask
```



```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aravi>pip install flask
Requirement already satisfied: flask in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: click>=8.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: colorama in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\aravi>
```

Step 3:

Then you can check whether the flask is installed or not in a system, by tying these Command in Command Prompt: ***pip show flask***

Command Prompt

```
Requirement already satisfied: click>=8.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.1.2)
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Requirement already satisfied: colorama in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)
```

```
[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

```
C:\Users\aravi>pip show flask
```

```
Name: Flask
```

```
Version: 2.2.2
```

```
Summary: A simple framework for building complex web applications.
```

```
Home-page: https://palletsprojects.com/p/flask
```

```
Author: Armin Ronacher
```

```
Author-email: armin.ronacher@active-4.com
```

```
License: BSD-3-Clause
```

```
Location: c:\users\aravi\appdata\local\programs\python\python310\lib\site-packages
```

```
Requires: click, itsdangerous, Jinja2, Werkzeug
```

```
Required-by:
```

```
C:\Users\aravi>
```

Step 4:

Open Visual Studio Code and enter the code given below,

```
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello_world():
    return 'Hello, World!'

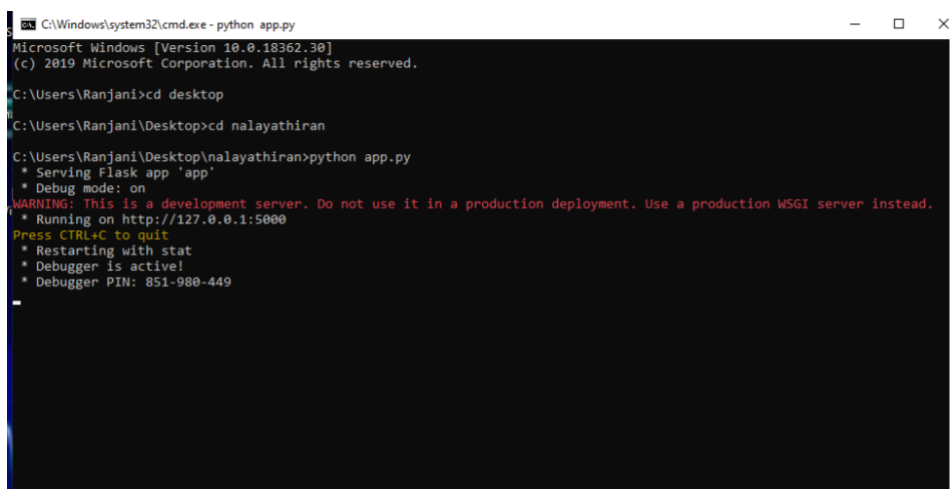
if __name__ == "__main__":
    app.run()
```

Step 5:

Save the code and give the file name as **app.py**.

Step 6:

Go to the file location and open python IDE and open **app.py** then run



Step 7:

Click the Link (or) Copy the address(<http://127.0.0.1:5000>) and put it, in the browser and click enter. Then the Result will be same a the below screenshot:



Step 8:

Now, you have successfully completed the process of creating simple flask project.

