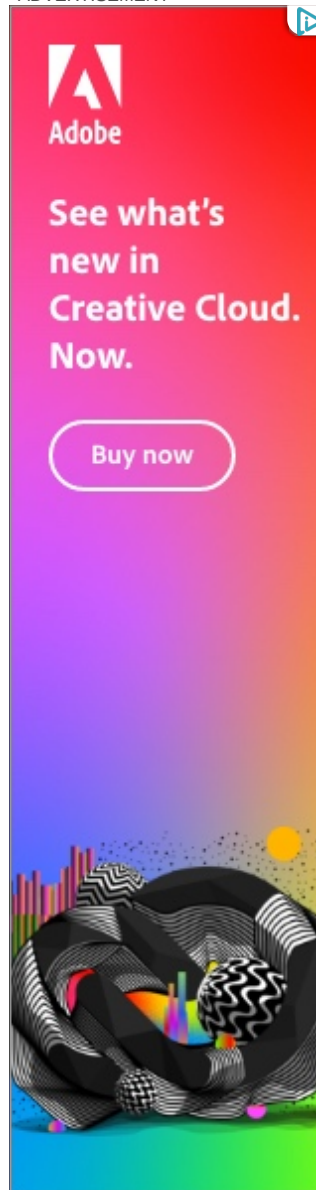# Create a Weather app using Flask | Python

Last Updated: 17-09-2019

Prerequisite : Flask installation

Flask is a lightweight framework written in Python. It is lightweight because it does not require particular tools or libraries and allow rapid web development. today we will create a weather app using flask as a web framework. this weather web app will provide current weather updates of cities searched.
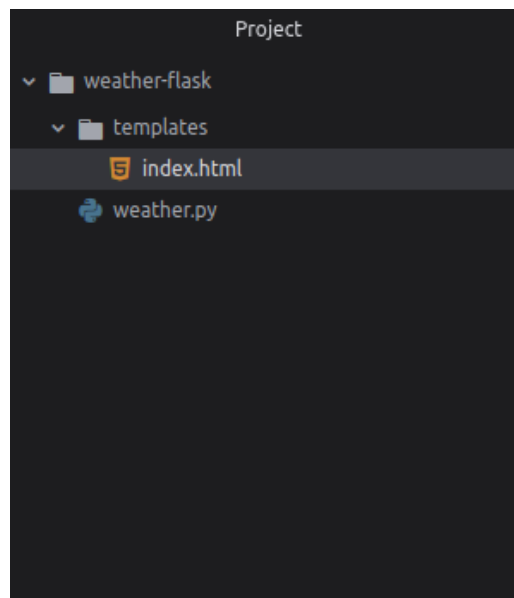
```
touch weather.py
```

Now, create a folder *templates* with a file name `index.html`

Linux command to create a folder and a file

```
mkdir templates && cd templates && touch index.html
```

The project folder will look like :

Editing files :

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Got It !

```python
import json

# urllib.request to make a request to api
import urllib.request


app = Flask(__name__)

@app.route('/', methods =['POST', 'GET'])
def weather():
    if request.method == 'POST':
        city = request.form['city']
    else:
        # for default name mathura
        city = 'mathura'

    # your API key will come here
    api = api_key_here

    # source contain json data from api
    source = urllib.request.urlopen('http://api.openweathermap.org/data/2.5/

    # converting JSON data to a dictionary
    list_of_data = json.loads(source)

    # data for variable list_of_data
    data = {
        "country_code": str(list_of_data['sys']['country']),
        "coordinate": str(list_of_data['coord']['lon']) + ' '
                    + str(list_of_data['coord']['lat']),
        "temp": str(list_of_data['main']['temp']) + 'k',
        "pressure": str(list_of_data['main']['pressure']),
        "humidity": str(list_of_data['main']['humidity']),
    }
    print(data)
    return render_template('index.html', data = data)



if __name__ == '__main__':
    app.run(debug = True)
```

Navigate to templates/index.html and edit it: link to the index file.

Now you can run the server to see the weather app –

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