

## DAILY ASSESSMENT FORMAT

<b>Date:</b>	<b>6-06-2020</b>	<b>Name:</b>	<b>MOUNITHA D M</b>
<b>Course:</b>	<b>PYTHON</b>	<b>USN:</b>	<b>4AL17EC055</b>
<b>Topic:</b>	<b>Application 10:Project Exercise on Building a Geocoder web service</b>	<b>Semester &amp; Section:</b>	<b>6<sup>TH</sup> SEM "A" SEC</b>
<b>Github Repository:</b>	<b>Mounitha_-ec055</b>		

### FORENOON SESSION DETAILS

#### Image of session

```

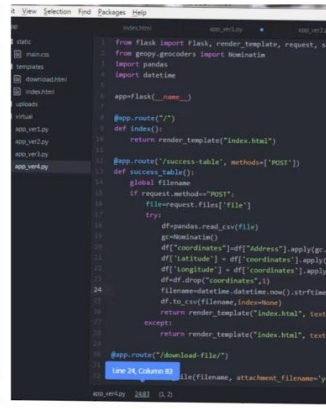
1 from flask import Flask, render_template, request, send_file
2 from geopy.geocoders import Nominatim
3 import pandas
4
5 app=Flask(__name__)
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11 @app.route('/success-table', methods=['POST'])
12 def success_table():
13     if request.method=="POST":
14         file=request.files['file']
15         df=pandas.read_csv(file)
16         gc=Nominatim()
17         df["coordinates"]=df["Address"].apply(gc.geocode)
18         df['Latitude'] = df['coordinates'].apply(lambda x: x.latitude if x != None else None)
19         df['Longitude'] = df['coordinates'].apply(lambda x: x.longitude if x != None else None)
20         df=df.drop("coordinates",1)
21         df.to_csv("uploads/geocoded.csv",index=None)
22         return render_template("index.html", text=df.to_html(), btn="download.html")
23
24 @app.route("/download-file/")
25 def download():
26     return send_file(filename, attachment_filename='yourfile.csv', as_attachment=True)
27
28 if __name__=="__main__":
29     app.run(debug=True)
30

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <title> Super Geocoder </title>
4 <head>
5 <link href="../static/main.css" rel="stylesheet">
6 </head>
7 <body>
8 <div class="container">
9 <h1>Super Geocoder</h1>
10 <h3>Please upload your CSV file. The values contain
11 <form action="{{url_for('success_table')}}" method=
12 <input type="file" accept=".csv" name="file" />
13 <button type="submit"> Submit </button>
14 </form>
15 <div class="output">
16 {{text|safe}}
17 {% include btn ignore missing %}
18 </div>
19 </div>
20 </body>
21 </html>
22

```



## Lectures More

### 266 Deploying the Web Application to ...

Video - 29:42 mins - Resources (1)

### 267 Bonus Lecture: Implementing Do...

Video - 20:50 mins - Resources (1)

#### Section 33 - Application 11: Project Exercise on Buildin...

### 268 Student Project - How The Output...

Video - 07:31 mins - Resources (1)

### 269 Solution, Part 1

Video - 16:21 mins

### 270 Solution, Part 2

Video - 05:51 mins

### 272 End of the Course

Article

#### Section 34 - Legacy Exercises

## Lectures More

### 268 Student Project - How The Output ...

Video - 07:31 mins - Resources (1)

### 269 Solution, Part 1

Video - 16:21 mins

### 270 Solution, Part 2

Video - 05:51 mins

### 272 End of the Course

Article

#### Section 34 - Legacy Exercises

### Variables (Practice)

Coding Exercise - 1 question

### Get Variable Value (Practice)

Coding Exercise - 1 question

### Math Operators (Practice)

Coding Exercise - 1 question

Day 14

Python

6/06/2020

Question 10 : Project Exercise on Building a Geocoder web service

Subject project

REDMI NOTE 5 PRO  
MIDUAL CAMERA

```
from flask import Flask, render_template
from geopy.geocoder import Nominatim
import pandas

app = Flask(__name__)

@app.route("/")
def index():
    return render_template("index.html")

@app.route('/success-table', methods=['POST'])
def success_table():
    return render_template("success-table.html")

@app.route('/download-file')
def download_file():
    return send_file("download-file")

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

from flask import Flask, render\_template  
from geopy.geocoder import Nominatim  
import pandas  
app = Flask(\_\_name\_\_)  
@app.route("/")  
def index():  
 return render\_template("index.html")  
@app.route('/success-table', methods=['POST'])  
def success\_table():  
 return render\_template("success-table.html")  
@app.route('/download-file')  
def download\_file():  
 return send\_file("download-file")  
if \_\_name\_\_ == "\_\_main\_\_":  
 app.run(debug=True)

