DAILY ASSESSMENT FORMAT

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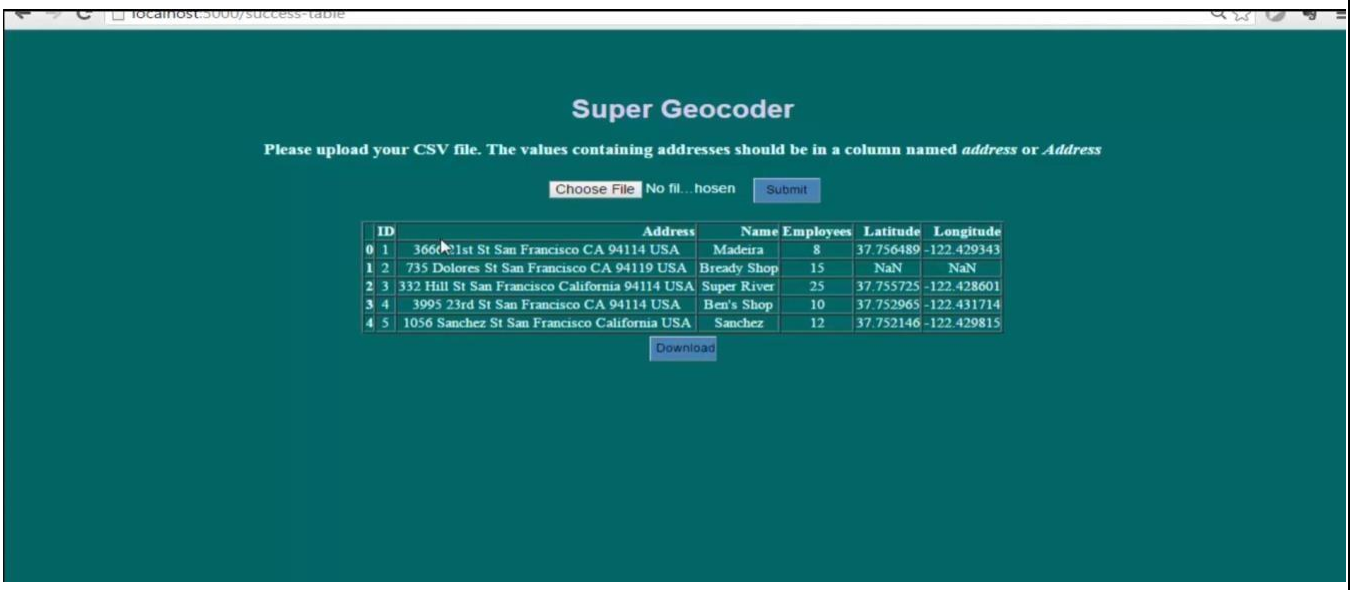
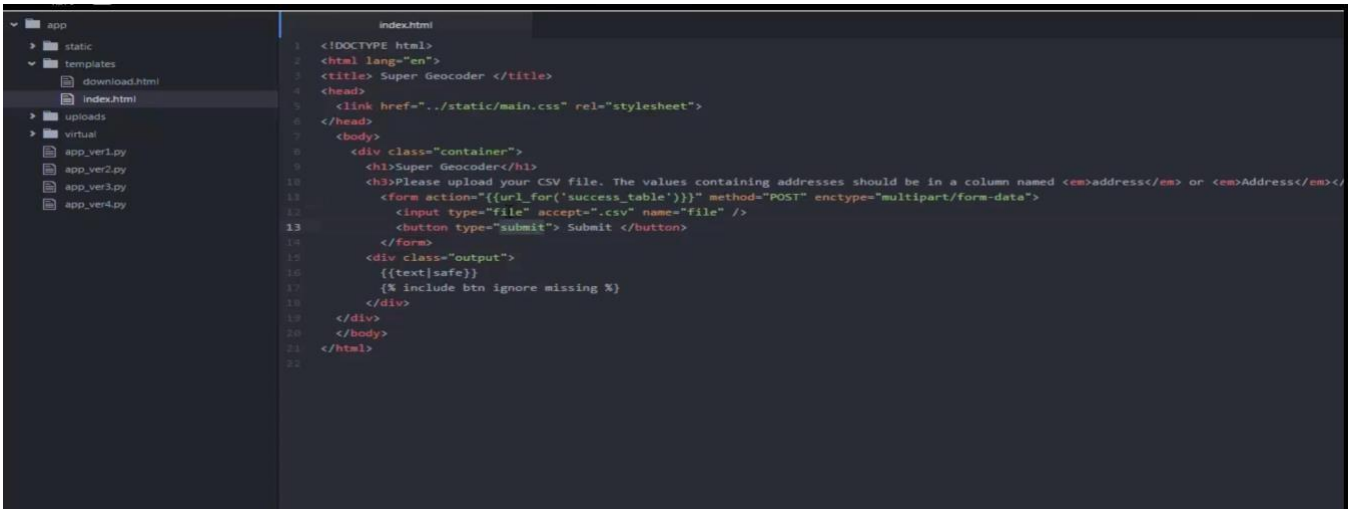
Course:	Python	USN:	4AL16IS047
Topic:	DAY 10	Semester & Section:	8th sem
Github Repository:			

FORENOON SESSION DETAILS

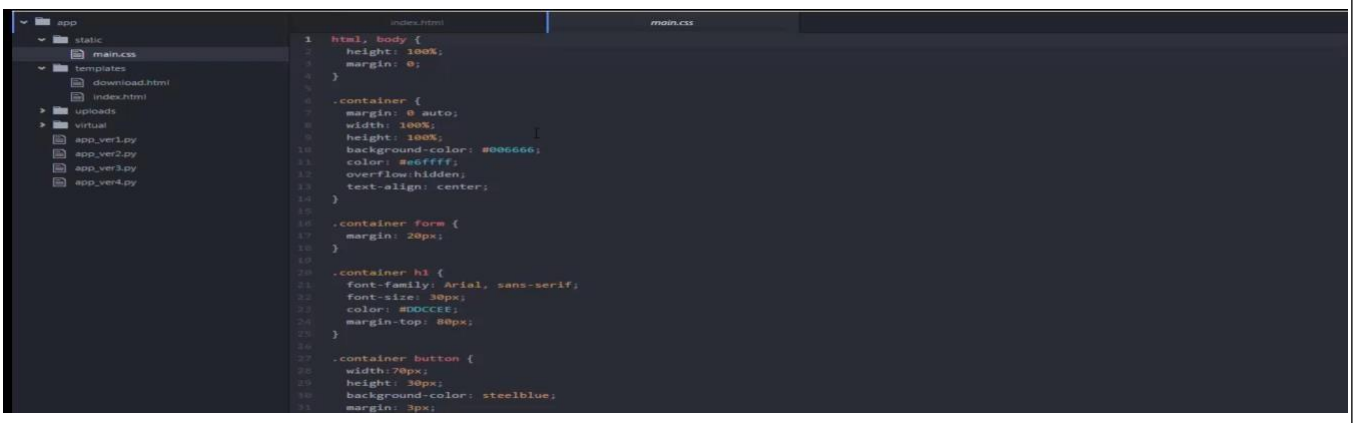
Demonstration of the Geocoding Web Service Application and Project Requirements

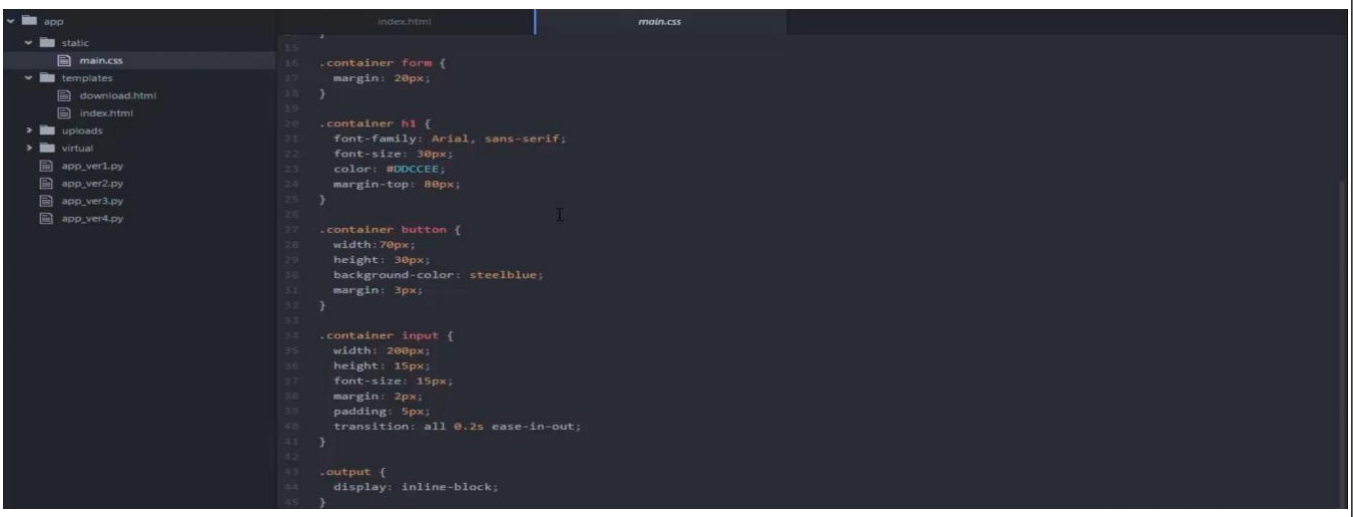


Index.html

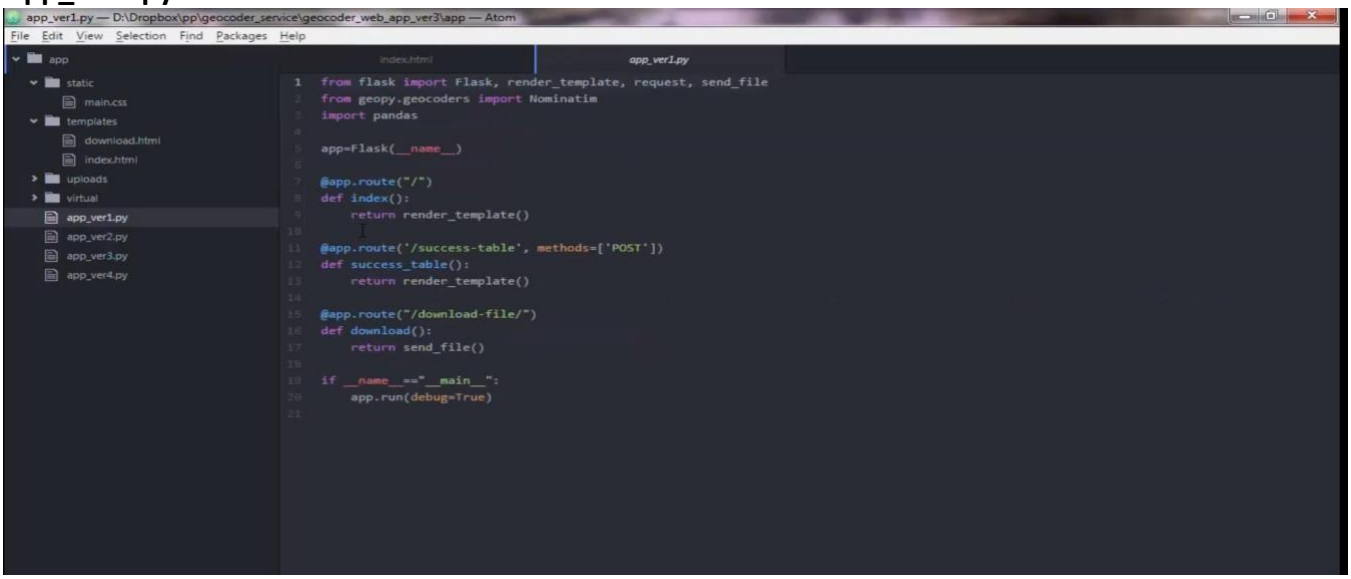


Main.css

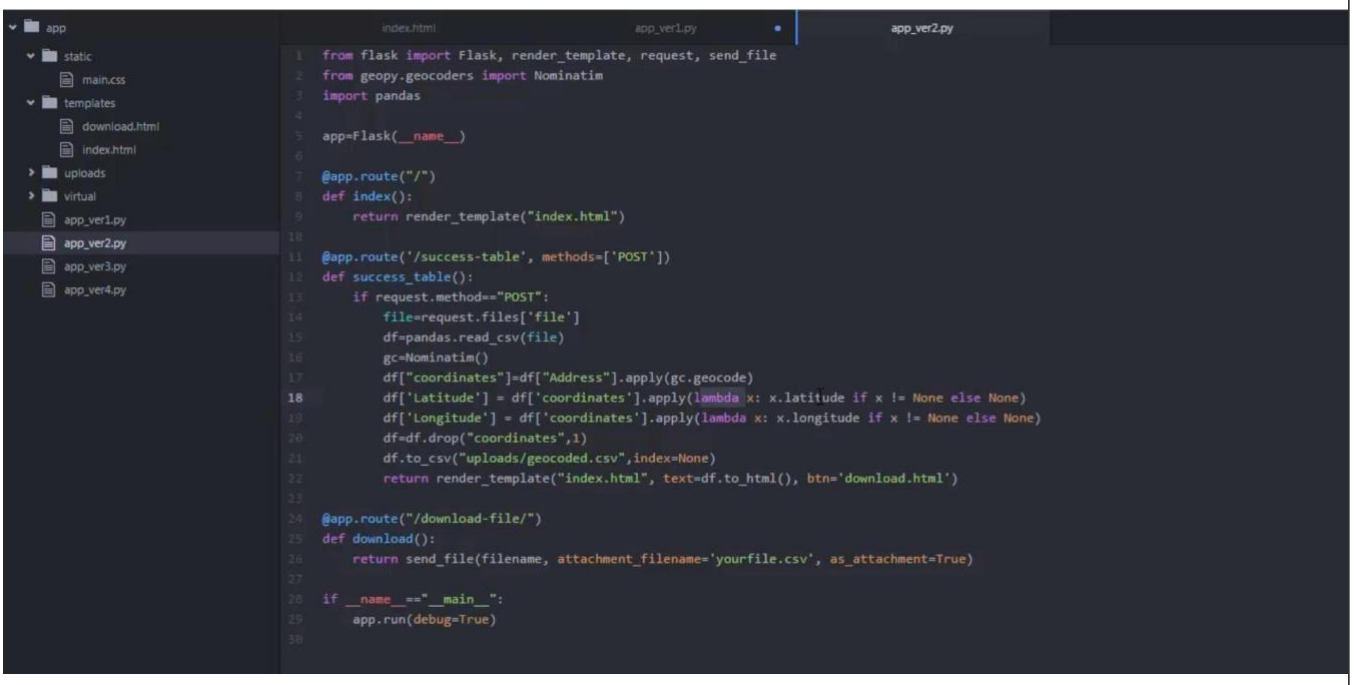




App_ver1.py



App_ver2.py



from flask import Flask, render_template, request, send_file
from geopy.geocoders import Nominatim
import pandas
import datetime

app=Flask(_name_)

@app.route("/")

```
def index():
    return render_template("index.html")

@app.route('/success-table', methods=['POST'])
def success_table():
    global filename
    if request.method=="POST":
        file=request.files['file']
        try:
            df=pandas.read_csv(file)
            gc=Nominatim(scheme='http')
            df["coordinates"]=df["Address"].apply(gc.geocode)
            df['Latitude'] = df['coordinates'].apply(lambda x: x.latitude if x != None else None)
            df['Longitude'] = df['coordinates'].apply(lambda x: x.longitude if x != None else None)
            df=df.drop("coordinates",1)
            filename=datetime.datetime.now().strftime("sample_files/%Y-%m-%d-%H-%M-%S-
%f"+".csv")
            df.to_csv(filename,index=None)
            return render_template("index.html", text=df.to_html(), btn='download.html')
        except Exception as e:
            return render_template("index.html", text=str(e))

@app.route("/download-file/")
def download():
    return send_file(filename, attachment_filename='yourfile.csv', as_attachment=True)

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