**Daily Assessment**

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| **Date:** | **06-06-2020** | **Name:** | **Prajwal Kamagethi Chakravarti P L** | |
| **Course:** | **Udemy-python** | **USN:** | **4AL17EC073** | |
| **Topic:** | **Application 11: Project Exercise on Building a Geocoder Web Service** | **Semester &Section:** | **6th & B** | |
| **GitHub repository** | **https://www.github.com/alvas-education-foundation/Prajwal-Kamagethi.git** |  |  | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session**    **Report –**  **from flask import Flask, render\_template, request, send\_file**  **from geopy.geocoders import ArcGIS**  **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=ArcGIS(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)** | | | |