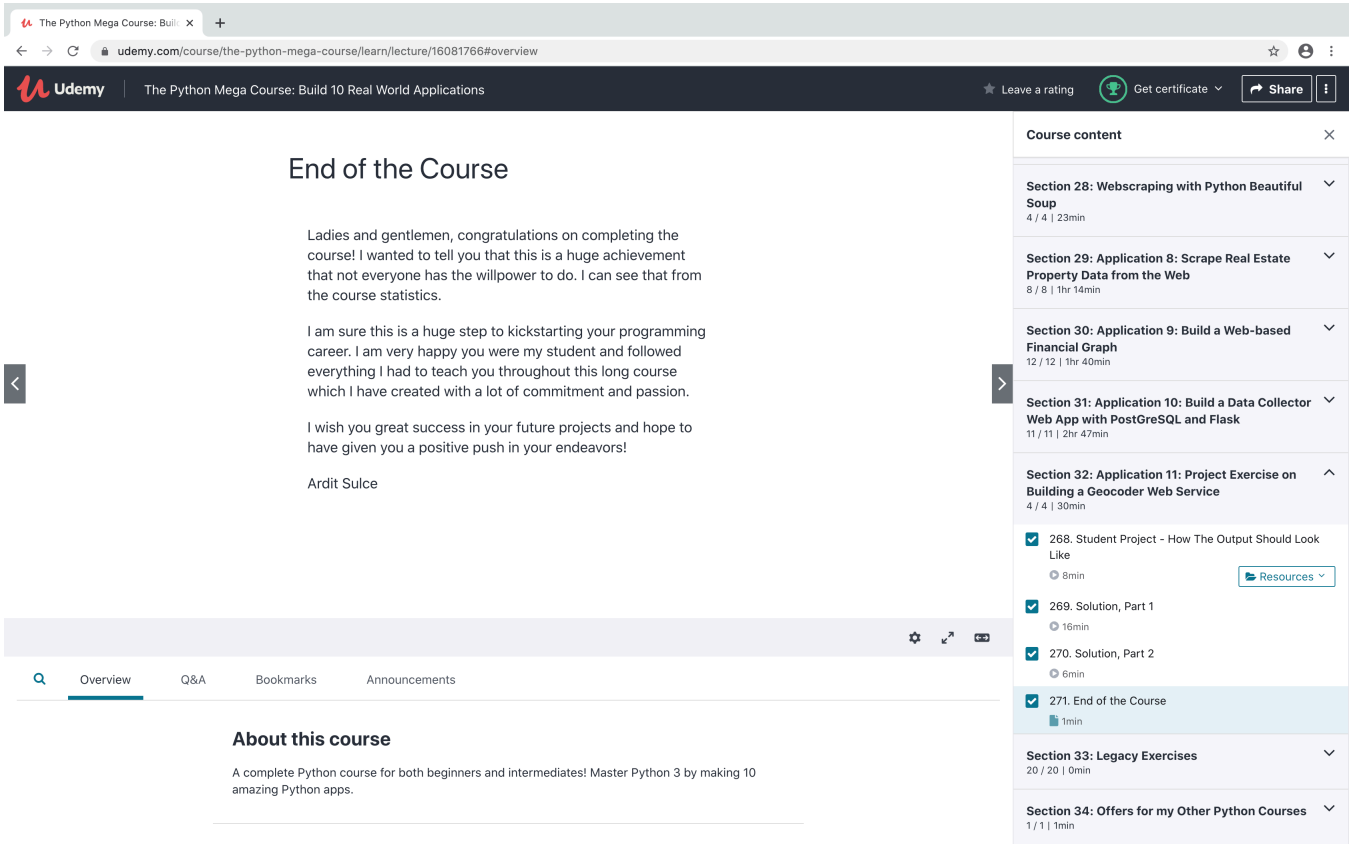
DAILY ASSESSMENT FORMAT

Date:	**06/06/2020**	**Name:**	**K B KUSHI**
Course:	**Python**	**USN:**	**4AL17EC107**
Topic:	**Application 11: Project Exercise on Building a Geocoder Web Service**	**Semester & Section:**	**6 B**
Github Repository:	**https://github.com/alvas-education-foundation/KUSHI-COURSES.git**		

FORENOON 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)
```