

## 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:	<a href="https://github.com/alvas-education-foundation/KUSHI-COURSES.git">https://github.com/alvas-education-foundation/KUSHI-COURSES.git</a>		

## FORENOON SESSION DETAILS

### Image of session

The screenshot shows a web browser displaying the Udeemy course page for 'The Python Mega Course: Build 10 Real World Applications'. The main content area features a message from the instructor, Ardit Sulce, congratulating students on completing the course. The message is titled 'End of the Course' and includes three paragraphs of text. The right sidebar shows the 'Course content' list, which includes sections 28 through 34. Section 32, 'Application 11: Project Exercise on Building a Geocoder Web Service', is highlighted as the current section. The bottom navigation bar includes links for Overview, Q&A, Bookmarks, and Announcements.

**End of the Course**

Ladies and gentlemen, congratulations on completing the course! I wanted to tell you that this is a huge achievement that not everyone has the willpower to do. I can see that from the course statistics.

I am sure this is a huge step to kickstarting your programming career. I am very happy you were my student and followed everything I had to teach you throughout this long course which I have created with a lot of commitment and passion.

I wish you great success in your future projects and hope to have given you a positive push in your endeavors!

Ardit Sulce

**Course content**

- Section 28: Webscraping with Python Beautiful Soup 4 / 4 | 23min
- Section 29: Application 8: Scrape Real Estate Property Data from the Web 8 / 8 | 1hr 14min
- Section 30: Application 9: Build a Web-based Financial Graph 12 / 12 | 40min
- Section 31: Application 10: Build a Data Collector Web App with PostGreSQL and Flask 11 / 11 | 2hr 47min
- Section 32: Application 11: Project Exercise on Building a Geocoder Web Service 4 / 4 | 30min
- 268. Student Project - How The Output Should Look Like 8min
- 269. Solution, Part 1 16min
- 270. Solution, Part 2 6min
- 271. End of the Course 1min
- Section 33: Legacy Exercises 20 / 20 | 0min
- Section 34: Offers for my Other Python Courses 1 / 1 | 1min

**About this course**

A complete Python course for both beginners and intermediates! Master Python 3 by making 10 amazing Python apps.

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)
```



