

Data Intake Report

Name: **Flask Model Deployment**

Report date: 9 August 2022

Internship Batch: **LISUM11**

Version: 1.0

Data intake by: Hussein Sabrawi

Data intake reviewer:

Data storage location: <https://github.com/sabrawihussein/DataGlacier/tree/main/Week4>

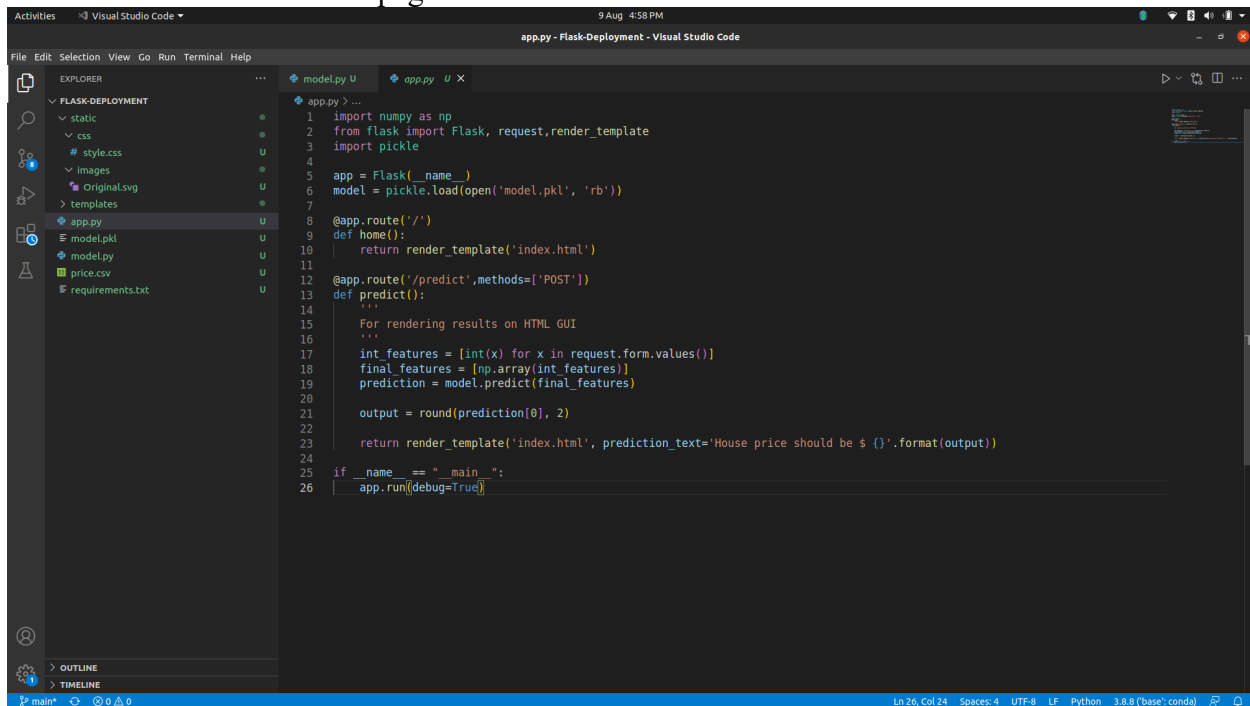
Tabular data details: Price.csv

Tabular data details: Transaction ID

Total number of observations	9
Total number of files	1
Total number of features	4
Base format of the file	.csv
Size of the data	175 bytes

Proposed Approach:

1. Created a Flask model using Python similar to the one posted by Data Glacier on the course page



```
1 import numpy as np
2 from flask import Flask, request, render_template
3 import pickle
4
5 app = Flask(__name__)
6 model = pickle.load(open('model.pkl', 'rb'))
7
8 @app.route('/')
9 def home():
10     return render_template('index.html')
11
12 @app.route('/predict', methods=['POST'])
13 def predict():
14     """
15     For rendering results on HTML GUI
16     """
17     int_features = [int(x) for x in request.form.values()]
18     final_features = [np.array(int_features)]
19     prediction = model.predict(final_features)
20
21     output = round(prediction[0], 2)
22
23     return render_template('index.html', prediction_text='House price should be $ {}'.format(output))
24
25 if __name__ == "__main__":
26     app.run(debug=True)
```

2. ran the python file in the command line from the location of the flask project, as explained by the instructor in the video



3. Used the model on the server after running it and tested it with several different data entries to check if the results are okay

