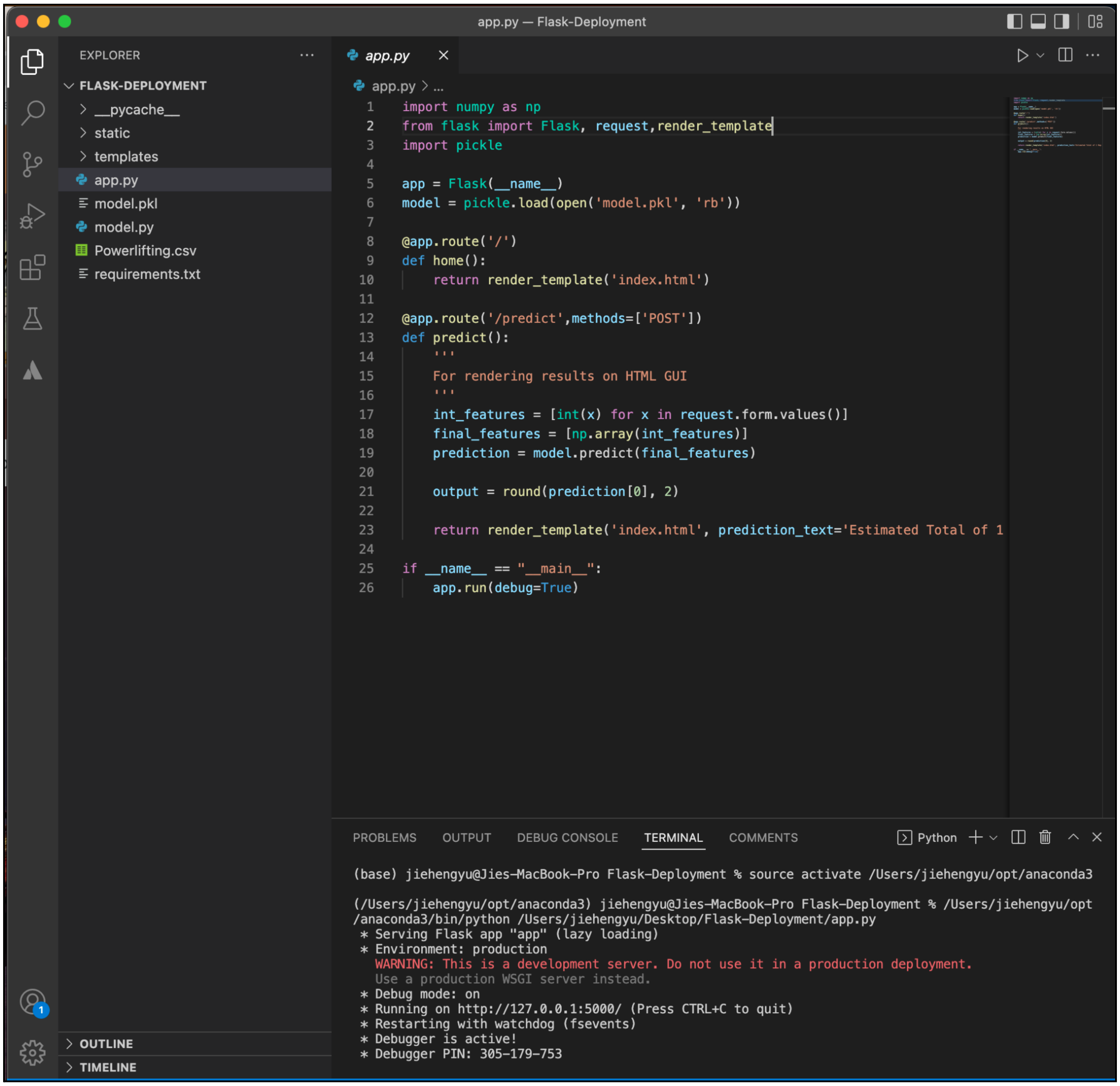
Name: Jie Heng Yu
Internship Batch: LISUM26
Submission Date: October 28, 2023
Submitted to: DataGlacier

Step 1: Run app in VSCode



```python
import numpy as np
from flask import Flask, request,render_template
import pickle

app = Flask(__name__)
model = pickle.load(open('model.pkl', 'rb'))

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/predict',methods=['POST'])
def predict():
    '''
    For rendering results on HTML GUI
    '''
    int_features = [int(x) for x in request.form.values()]
    final_features = [np.array(int_features)]
    prediction = model.predict(final_features)

    output = round(prediction[0], 2)

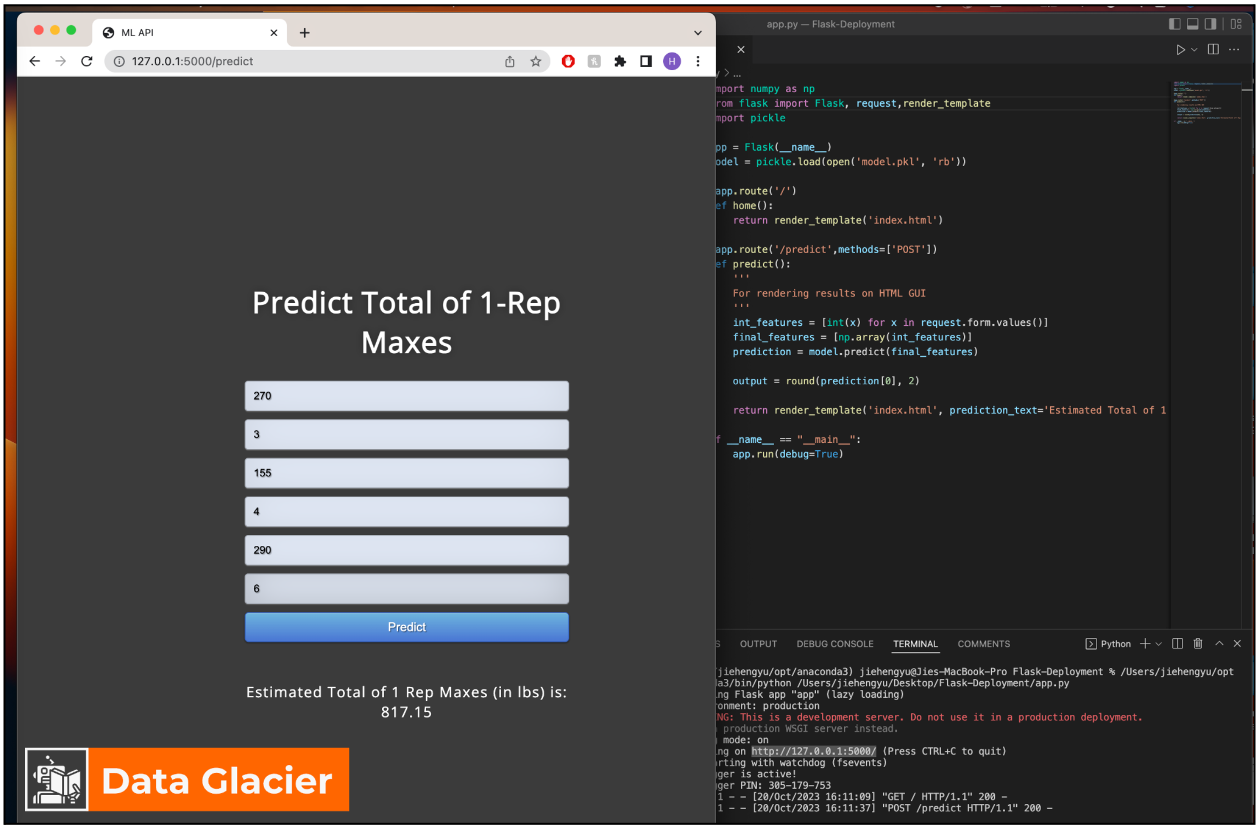
    return render_template('index.html', prediction_text='Estimated Total of 1

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

```
(base) jiehengyu@Jies-MacBook-Pro Flask-Deployment % source activate /Users/jiehengyu/opt/anaconda3

(/Users/jiehengyu/opt/anaconda3) jiehengyu@Jies-MacBook-Pro Flask-Deployment % /Users/jiehengyu/opt
/anaconda3/bin/python /Users/jiehengyu/Desktop/Flask-Deployment/app.py
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
 * Restarting with watchdog (fsevents)
 * Debugger is active!
 * Debugger PIN: 305-179-753
```

Step 2: Open it in browser



Predict Total of 1-Rep Maxes

270

3

155

4

290

6

Estimated Total of 1 Rep Maxes (in lbs) is: 817.15

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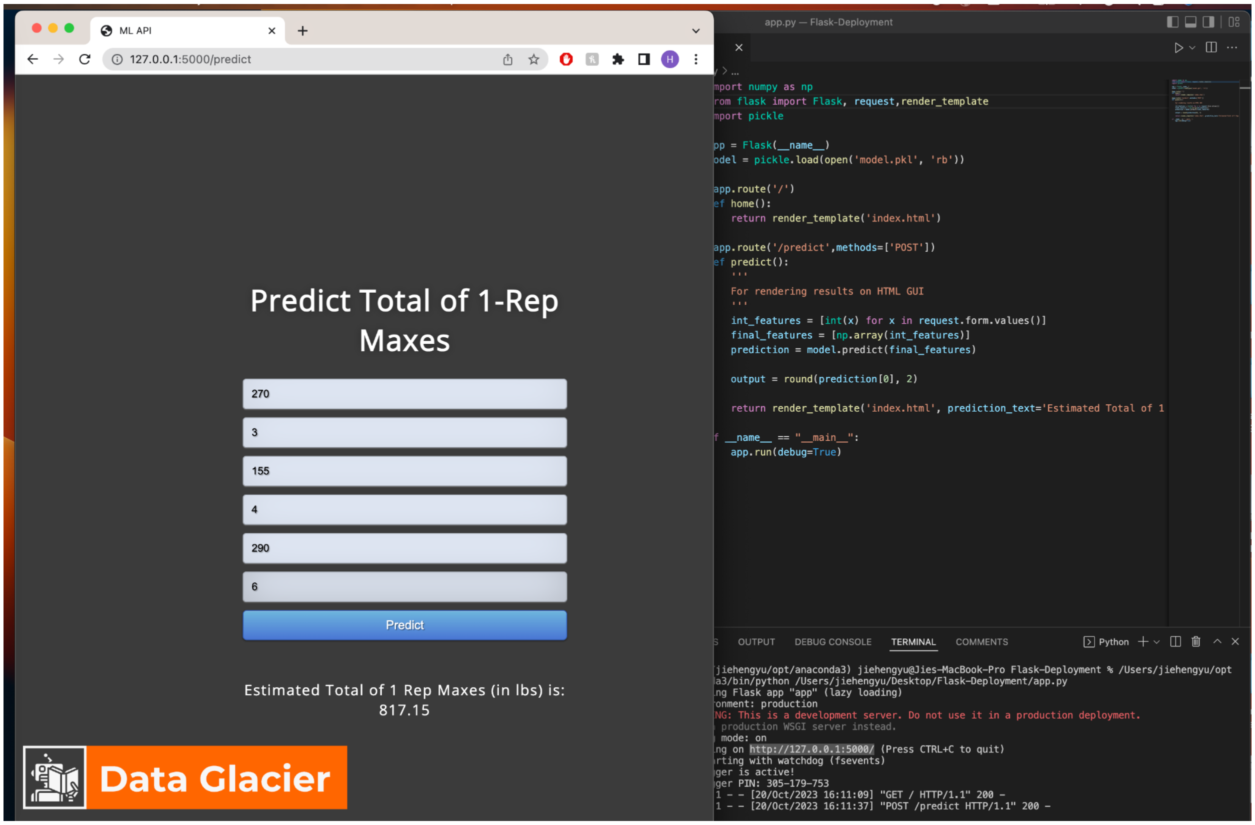
ger is active!
ger PIN: 305-179-753
1 - - [20/Oct/2023 16:11:09] "GET / HTTP/1.1" 200 -
1 - - [20/Oct/2023 16:11:37] "POST /predict HTTP/1.1" 200 -
```

Step 3: Get the prediction.



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