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Batch Code: LISUM25

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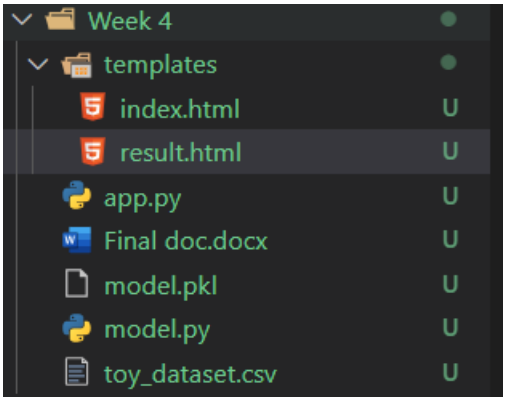
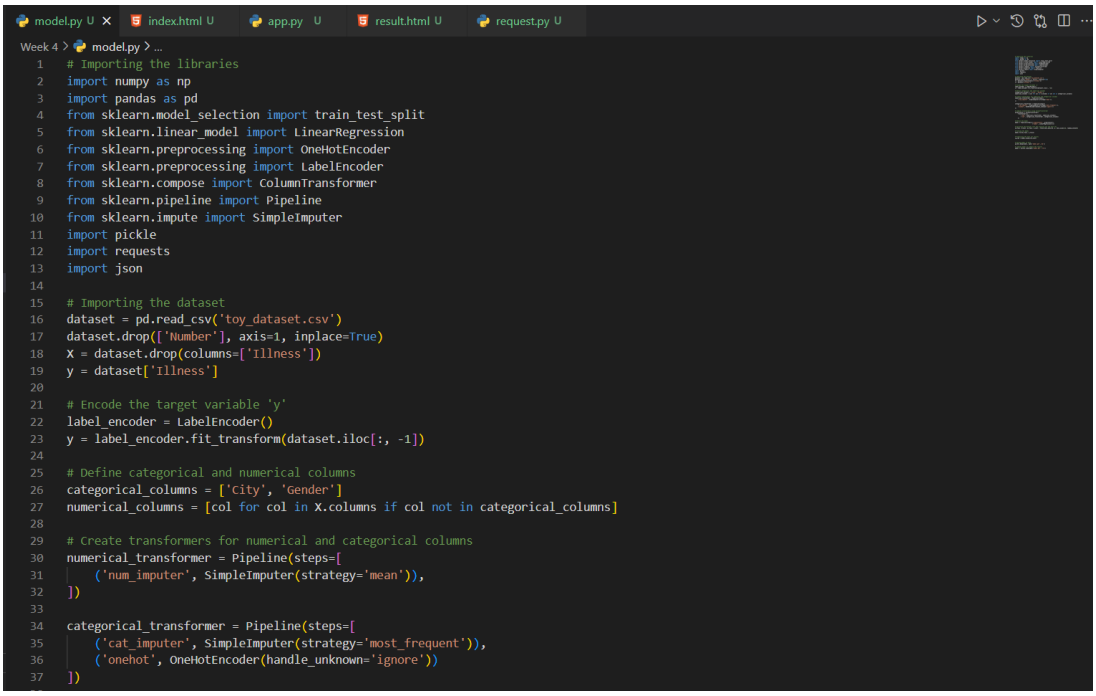
Submitted to: Data Glacier

Following are the snapshot of each step of deployment:

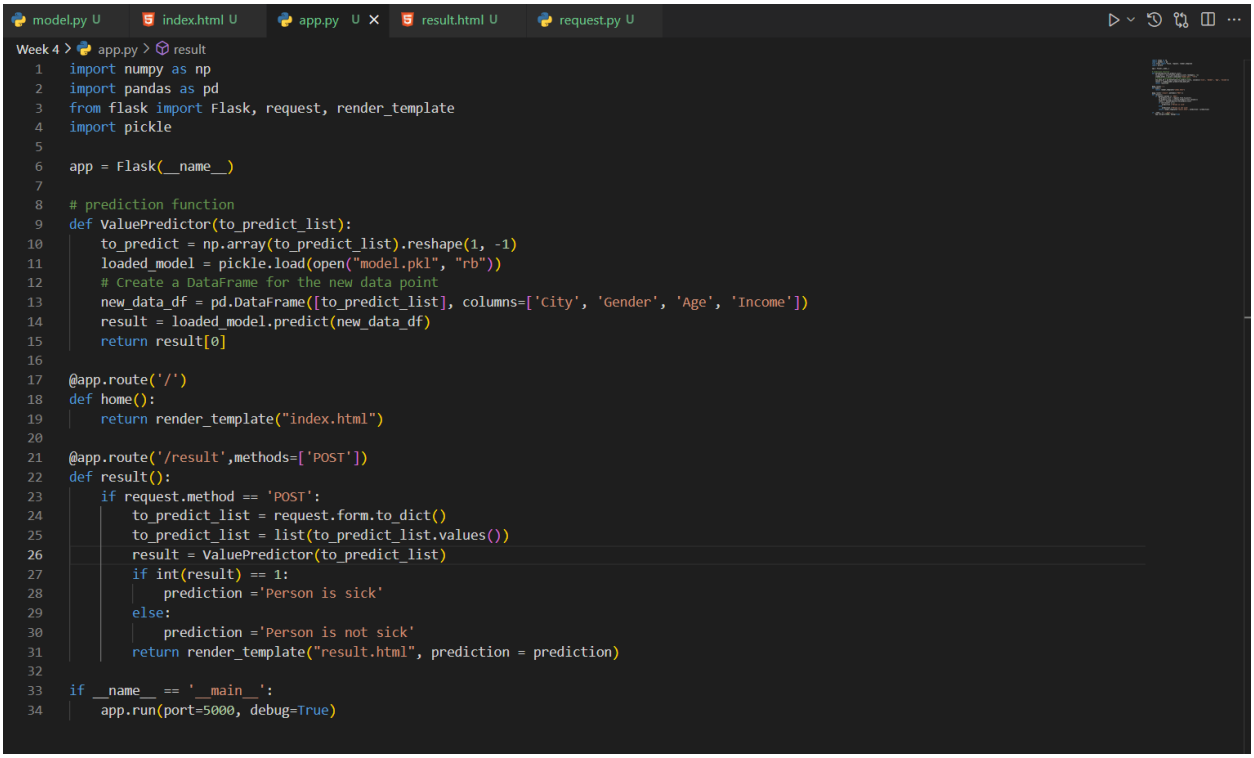
1. This the folder of deployment



2. model.py – where I have created Linear Regression model

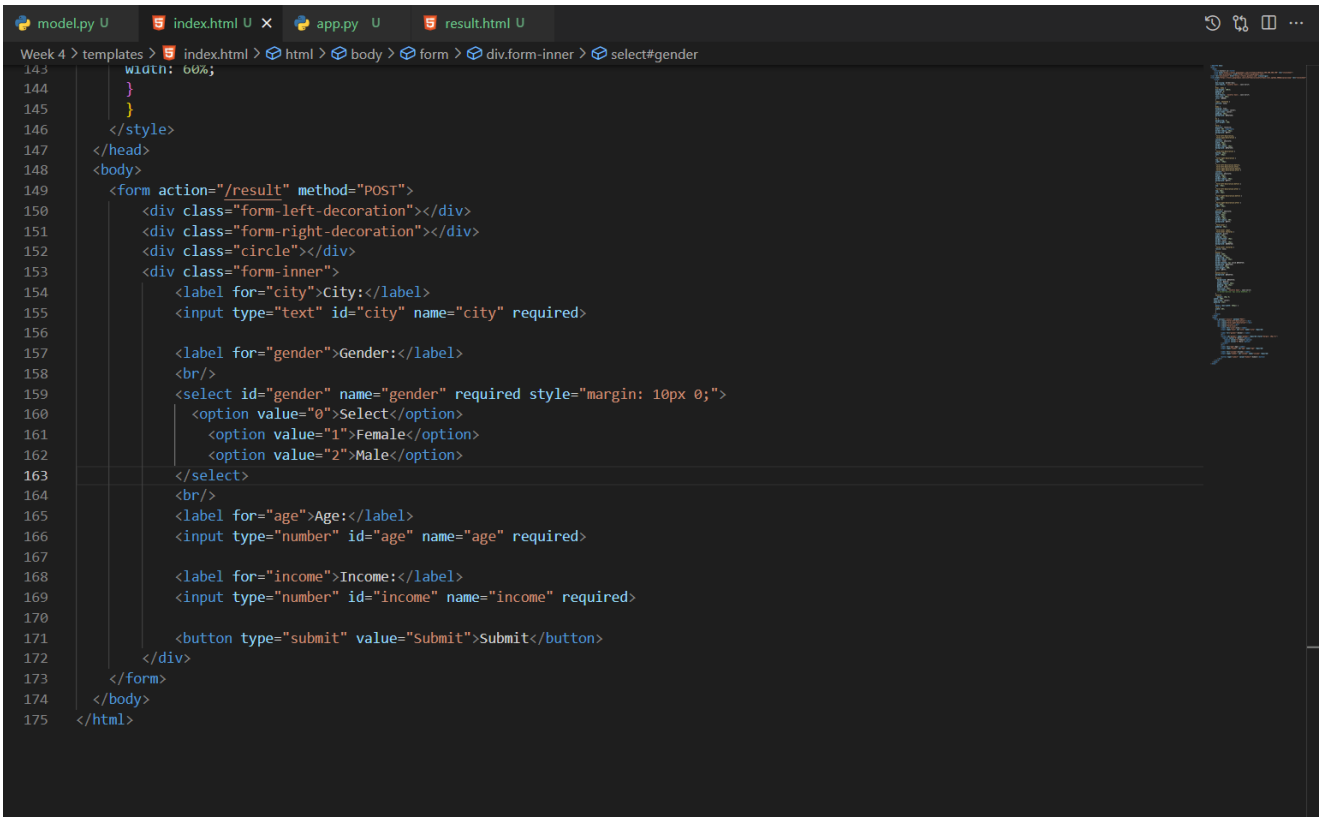


3. app.py – where I created a Flask app

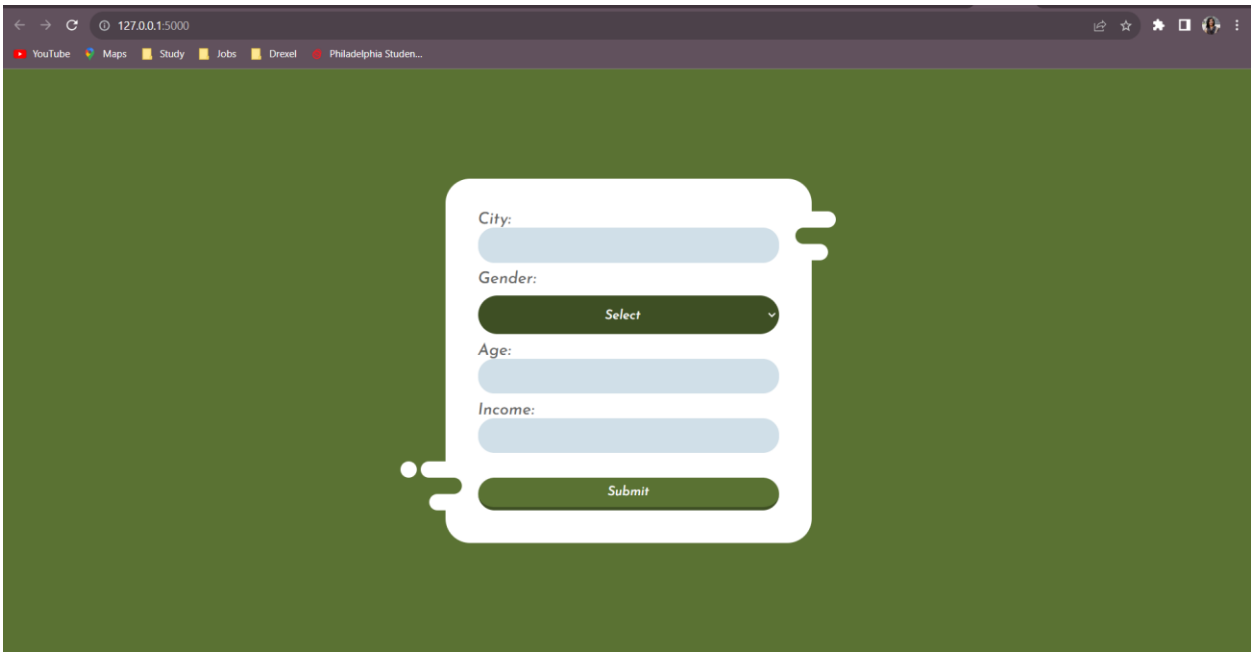


```python
import numpy as np
import pandas as pd
from flask import Flask, request, render_template
import pickle

app = Flask(__name__)

# prediction function
def ValuePredictor(to_predict_list):
    to_predict = np.array(to_predict_list).reshape(1, -1)
    loaded_model = pickle.load(open("model.pkl", "rb"))
    # Create a DataFrame for the new data point
    new_data_df = pd.DataFrame([to_predict_list], columns=['City', 'Gender', 'Age', 'Income'])
    result = loaded_model.predict(new_data_df)
    return result[0]

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

@app.route('/result',methods=['POST'])
def result():
    if request.method == 'POST':
        to_predict_list = request.form.to_dict()
        to_predict_list = list(to_predict_list.values())
        result = ValuePredictor(to_predict_list)
        if int(result) == 1:
            prediction ='Person is sick'
        else:
            prediction ='Person is not sick'
        return render_template("result.html", prediction = prediction)

if __name__ == '__main__':
    app.run(port=5000, debug=True)
```

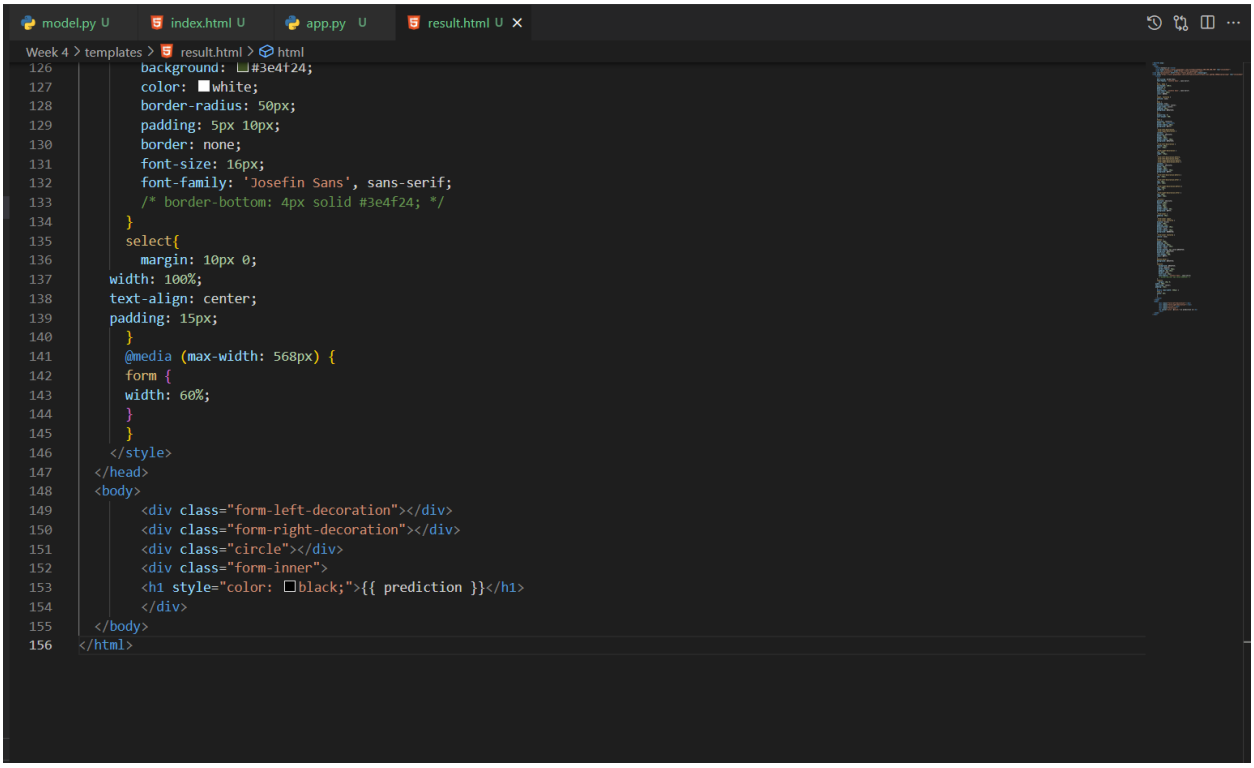
4. index.html – this is my home page where are asking for inputs

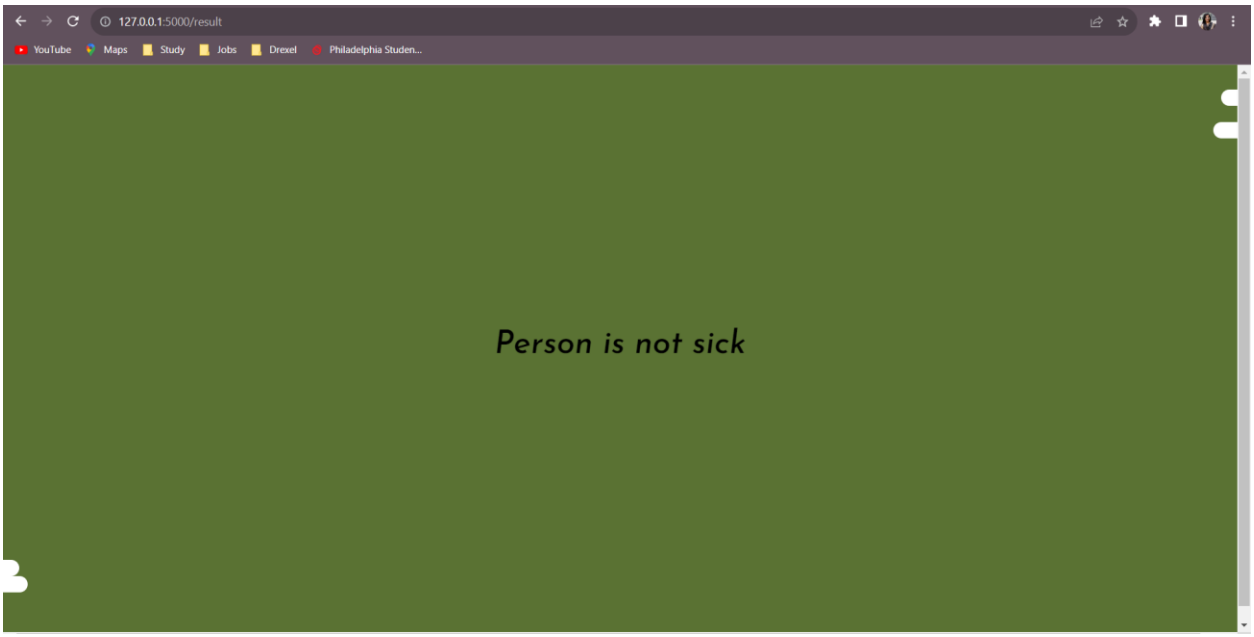


```html
        width: 60%;
        }
        }
    </style>
  </head>
  <body>
    <form action="/result" method="POST">
        <div class="form-left-decoration"></div>
        <div class="form-right-decoration"></div>
        <div class="circle"></div>
        <div class="form-inner">
            <label for="city">City:</label>
            <input type="text" id="city" name="city" required>

            <label for="gender">Gender:</label>
            <br/>
            <select id="gender" name="gender" required style="margin: 10px 0;">
              <option value="0">Select</option>
                <option value="1">Female</option>
                <option value="2">Male</option>
            </select>
            <br/>
            <label for="age">Age:</label>
            <input type="number" id="age" name="age" required>

            <label for="income">Income:</label>
            <input type="number" id="income" name="income" required>

            <button type="submit" value="Submit">Submit</button>
        </div>
    </form>
  </body>
</html>
```



5. result.html – this is my result page to display the output




127.0.0.1:5000/result
YouTube
Maps
Study
Jobs
Drexel
Philadelphia Studen...
Person is not sick