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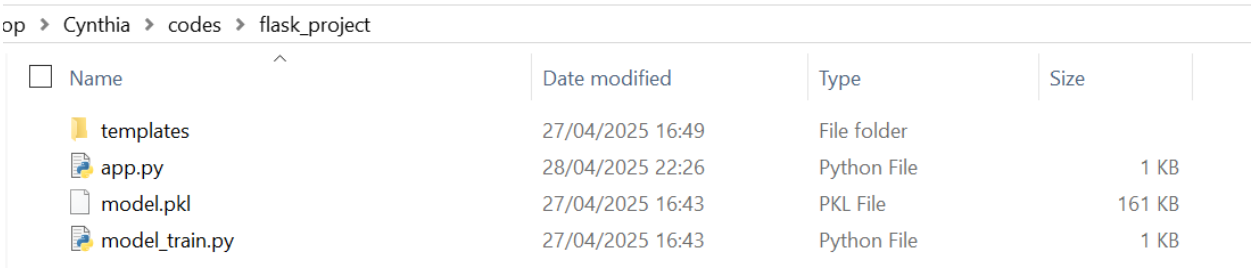
Batch Code: **LISUM44**

Submission Date: **28th April 2025**

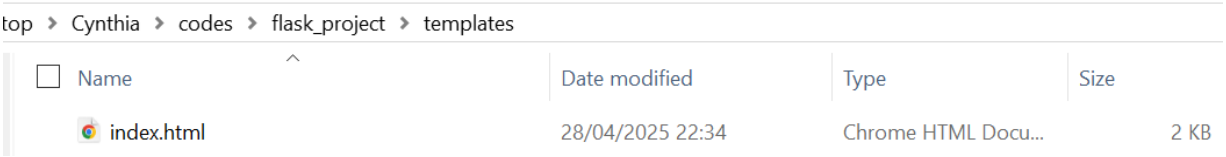
Submitted To: **Data Glacier Team**

Details: The following contains screenshots of the processes I used to create my **first Flask app** (Flask deployment) using the Iris datasets (toy data).

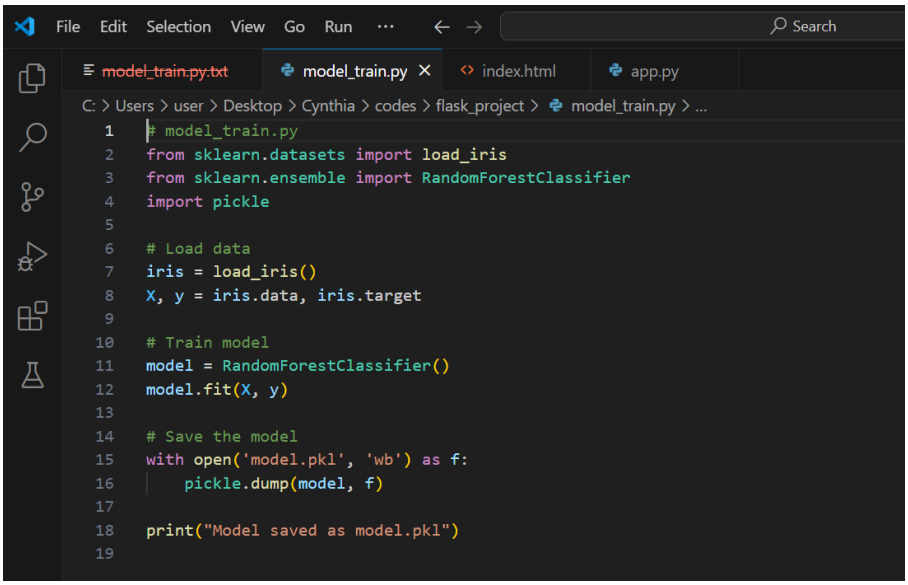
1. **Folder structure (showing model.pkl, app.py, templates/ folder)**



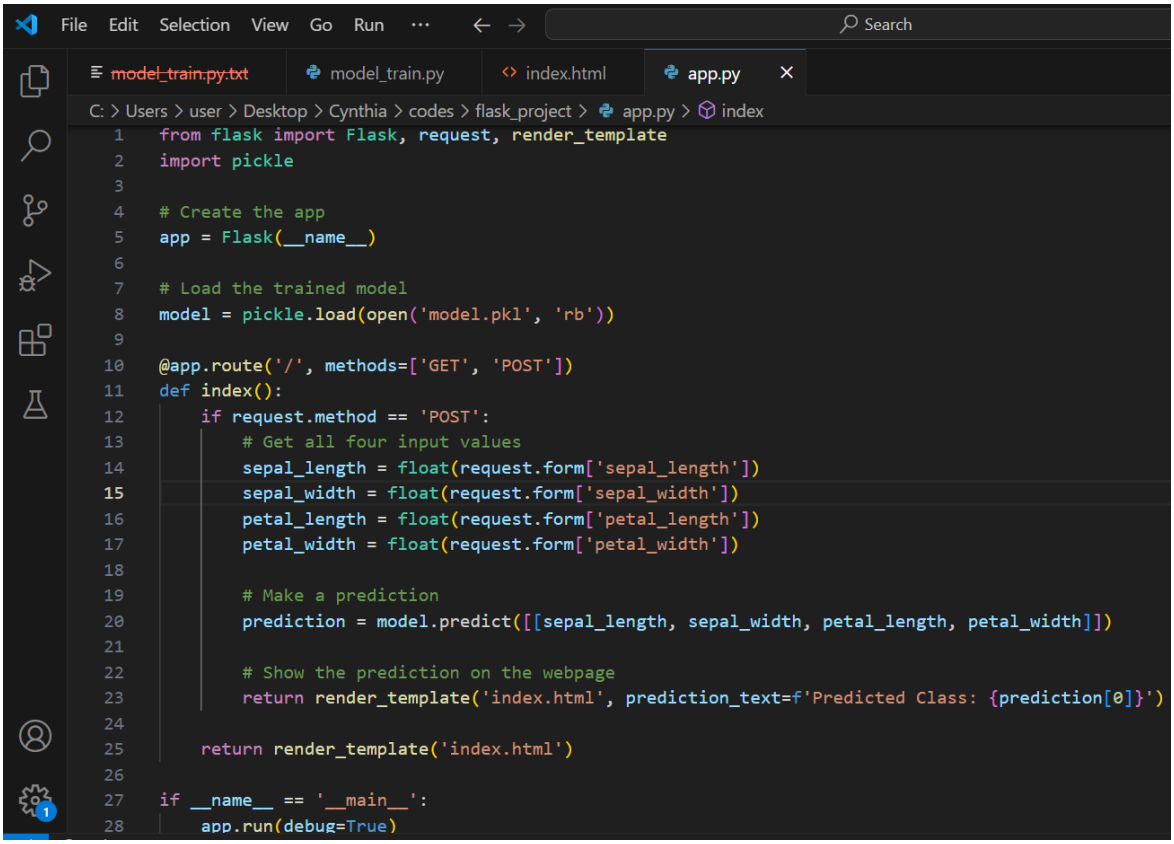
The templates folder contains my index.html file



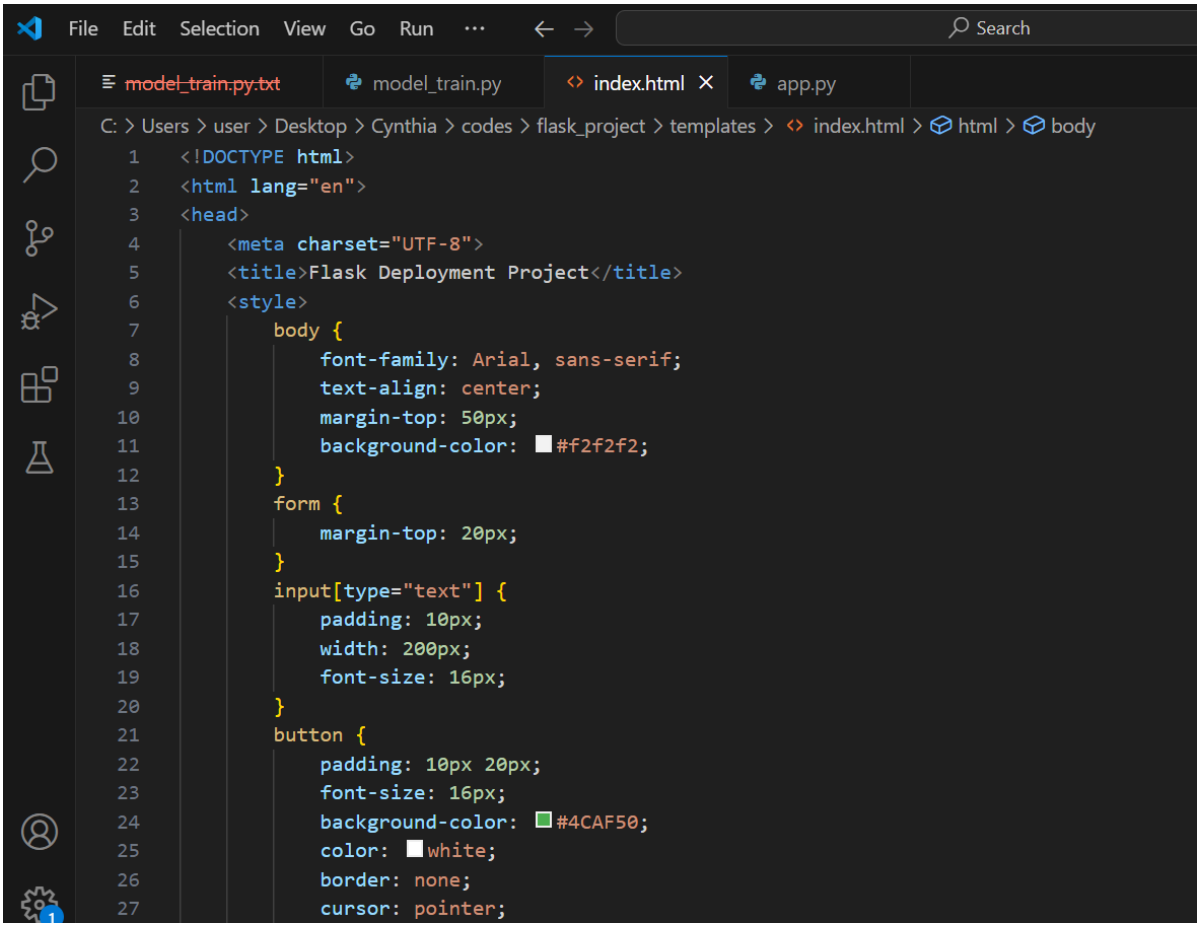
2. **Code for model_train.py**



3. Code for app.py



4. Code for index.html



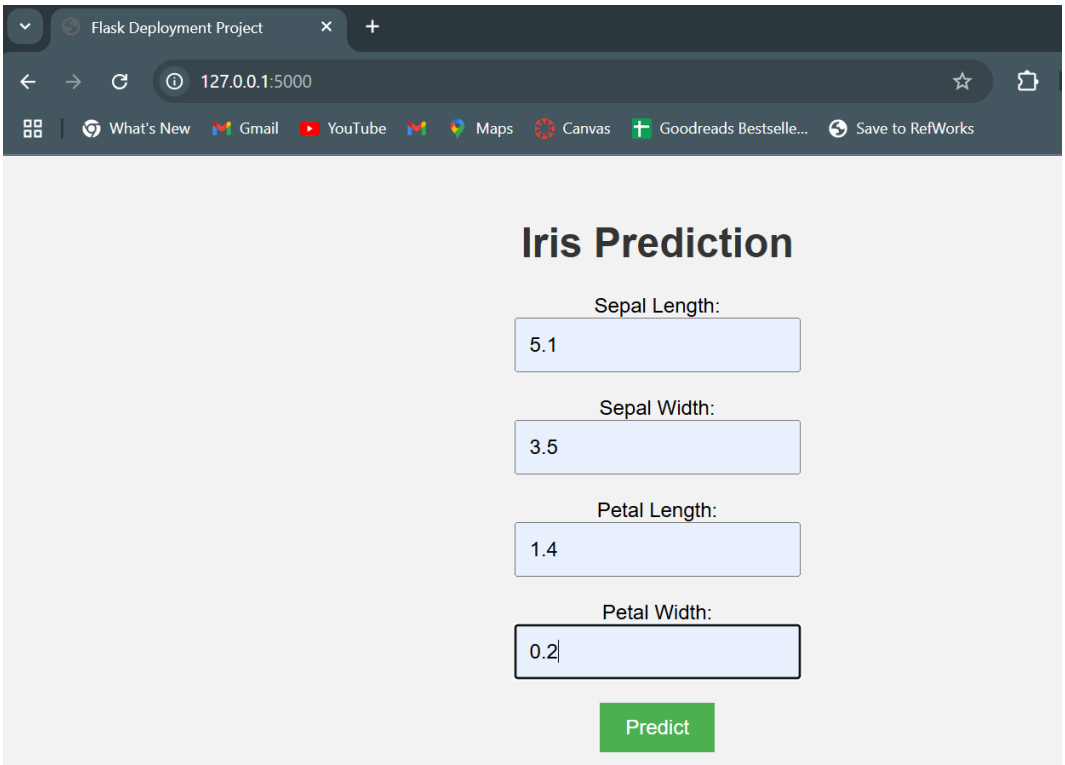

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Flask Deployment Project</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            margin-top: 50px;
            background-color: #f2f2f2;
        }
        form {
            margin-top: 20px;
        }
        input[type="text"] {
            padding: 10px;
            width: 200px;
            font-size: 16px;
        }
        button {
            padding: 10px 20px;
            font-size: 16px;
            background-color: #4CAF50;
            color: white;
            border: none;
            cursor: pointer;
        }
        button:hover {
            background-color: #45a049;
        }
        h1, h2 {
            color: #333;
        }
    </style>
</head>

<body>
    <h1>Iris Prediction</h1>

    <form action="/" method="post">
        <label for="sepal_length">Sepal Length:</label><br>
        <input type="text" id="sepal_length" name="sepal_length" required><br><br>

        <label for="sepal_width">Sepal Width:</label><br>
        <input type="text" id="sepal_width" name="sepal_width" required><br><br>

        <label for="petal_length">Petal Length:</label><br>
        <input type="text" id="petal_length" name="petal_length" required><br><br>
```

```
50
51          <label for="petal_width">Petal Width:</label><br>
52          <input type="text" id="petal_width" name="petal_width" required><br><br>
53
54          <button type="submit">Predict</button>
55      </form>
56
57      {% if prediction_text %}
58          <h2>{{ prediction_text }}</h2>
59      {% endif %}
```

5. **Terminal running Flask (python app.py)**

```
C:\Users\user\Desktop\Cynthia\codes\flask_project>python app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 897-334-901
127.0.0.1 - - [28/Apr/2025 22:35:25] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [28/Apr/2025 22:36:14] "POST / HTTP/1.1" 200 -
```

6. **Browser showing your form (before prediction)**



7. **Browser showing the prediction result**