Homework Document

1. Name: Krishna Ratna Deepika Haripuram

2. Batch code: LISUM26

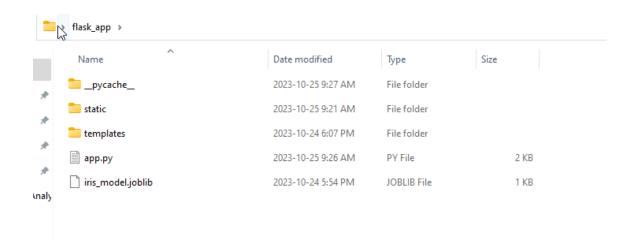
3. Submission date: 10-25-20234. Submitted to: Data Glacier

Snapshots of Each Step of Deployment

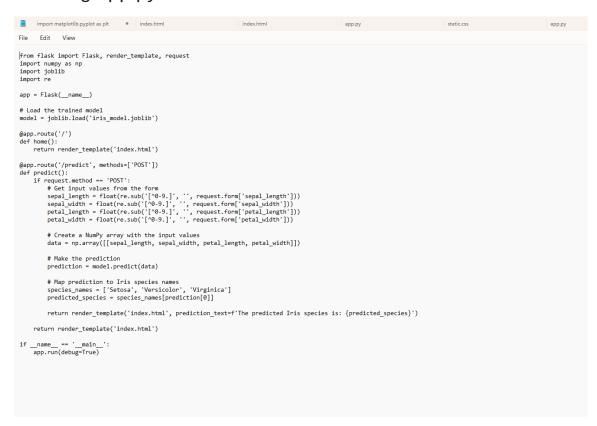
Writing Flask Application

```
Command Prompt - flask run
                                                                                                                                                                                                                                                                                                                                                                                                                П
   c) Microsoft Corporation. All rights reserved.
    :\Users\12267>cd desktop
    :\Users\12267\Desktop>cd flask_app
   :\Users\12267\Desktop\flask_app>flask run
    Debug mode: off

ARNING: 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
127.0.0.1 - - [25/Oct/2023 09:15:52] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [25/Oct/2023 09:15:53] "GET /favicon.ico HTTP/1.1" 404 -
    :\Users\12267\Desktop\flask_app>flask run
 * Debug mode: off
   ARNING: 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
File "C:\Users\12267\AppData\Local\Programs\Python\Python311\Lib\site-packages\flask\app.py", line 869, in full\_dispates and the state of the stat
   h_request
rv = self.handle_user_exception(e)
   Command Prompt - flask run
      File "C:\Users\12267\AppData\Local\Programs\Python\Python311\Lib\site-packages\flask\app.py", line 869, in full dispat
       \begin{tabular}{ll} File "C:\Users\12267\AppData\Local\Programs\Python\Python311\Lib\site-packages\flask\app.py", line 867, in full\_dispatraction of the packages of the package of the packages of the package of the package of the packages of the package of the pa
             rv = self.dispatch_request()
       File "C:\Users\12267\AppData\Local\Programs\Python\Python311\Lib\site-packages\flask\app.py", line 852, in dispatch_re
             return\ self.ensure\_sync(self.view\_functions[rule.endpoint]) (**view\_args)
      File "C:\Users\12267\Desktop\flask_app\app.py", line 18, in predict
              sepal_length = float(request.form['sepal_length'])
ValueError: could not convert string to float: '5.1 cm'
127.0.0.1 - - [25/Oct/2023 09:24:05] "POST /predict HTT
                                                                                                                                                                                             ..
TTP/1.1" 500 -
   C:\Users\12267\Desktop\flask_app>flask run
   * Debug mode: off
    * Running on http://127.0.0.1:5000
  127.0.0.1 - [25/0ct/2023 09:27:35] "GET / HTTP/1.1" 200 -
127.0.0.1 - [25/0ct/2023 09:27:35] "GET /static/style.css HTTP/1.1" 404 -
127.0.0.1 - [25/0ct/2023 09:28:52] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - [25/0ct/2023 09:28:52] "GET /static/style.css HTTP/1.1" 404 -
127.0.0.1 - [25/0ct/2023 09:29:56] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - [25/0ct/2023 09:29:56] "GET /static/style.css HTTP/1.1" 404 -
```



Showing app.py Code



Showing index.html Code

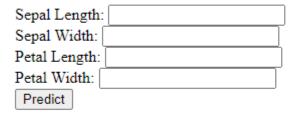
```
import matplotlib.pyplot as plt 💌 index.html
                                                                  ındex.html
                                                                                   A app.py
 File
       Edit
             View
 <!DOCTYPE html>
 <html lang="en">
 <head>
     <meta charset="UTF-8">
     <title>Iris Species Predictor</title>
     <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='style.css') }}">
 </head>
 <body>
     <h1>Iris Species Predictor</h1>
     <form method="post" action="/predict">
         <label for="sepal_length">Sepal Length:</label>
         <input type="text" id="sepal_length" name="sepal_length" required>
         <br>
         <label for="sepal_width">Sepal Width:</label>
         <input type="text" id="sepal_width" name="sepal_width" required>
         <br>
         <label for="petal_length">Petal Length:</label>
         <input type="text" id="petal_length" name="petal_length" required>
         <br>
         <label for="petal_width">Petal Width:</label>
         <input type="text" id="petal_width" name="petal_width" required>
         (hr)
         <button type="submit">Predict</button>
     </form>
     {% if prediction_text %}
         <h2>{{ prediction_text }}</h2>
     {% endif %}
 </body>
 </html>
```

Showing CSS Code

```
index. Item | separation | sepa
```

Opened the Link in Browser

Iris Species Predictor

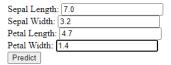




Testing the Model



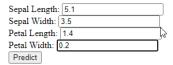
Iris Species Predictor



The predicted Iris species is: Versicolor



Iris Species Predictor



The predicted Iris species is: Setosa