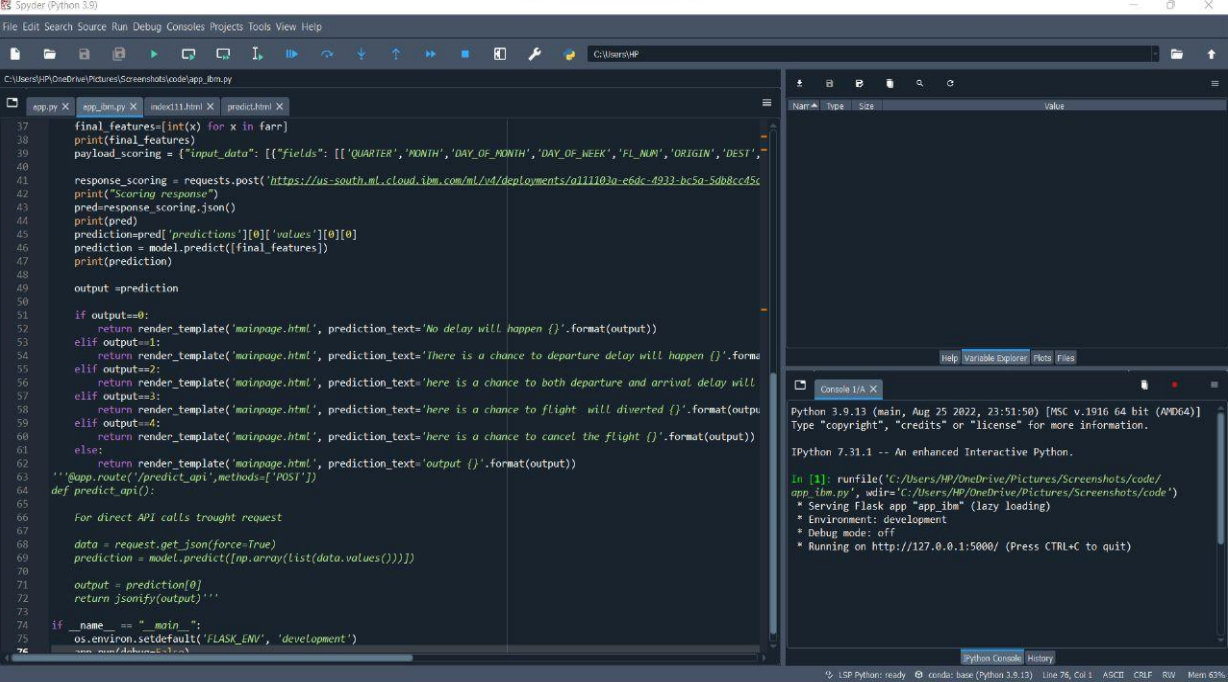


EXECUTE AND TEST YOUR MODULE

Date	19 November 2022
Team ID	PNT2022TMID26438
Project Name	Flight Delay Prediction Using Machine Learning

SCREENSHOT:

EXECUTION:



The screenshot displays the Spyder Python IDE interface. The main editor window shows a Python script with the following code:

```
37 final_features=[int(x) for x in farr]
38 print(final_features)
39 payload_scoring = {"input_data": [{"fields": [{"QUARTER", "MONTH", "DAY_OF_MONTH", "DAY_OF_WEEK", "FL_NUM", "ORIGIN", "DEST",
40
41 response_scoring = requests.post('https://us-south-1.cloud.ibm.com/ml/v4/deployments/g111103a-c6dc-4933-bc5a-5db8cc45c
42 print("Scoring response")
43 pred=response_scoring.json()
44 print(pred)
45 prediction=pred['predictions'][0]['values'][0][0]
46 prediction = model.predict([final_features])
47 print(prediction)
48
49 output =prediction
50
51 if output==0:
52     return render_template('mainpage.html', prediction_text='No delay will happen {}'.format(output))
53 elif output==1:
54     return render_template('mainpage.html', prediction_text='There is a chance to departure delay will happen {}'.forma
55 elif output==2:
56     return render_template('mainpage.html', prediction_text='here is a chance to both departure and arrival delay will
57 elif output==3:
58     return render_template('mainpage.html', prediction_text='here is a chance to flight will diverted {}'.format(outpu
59 elif output==4:
60     return render_template('mainpage.html', prediction_text='here is a chance to cancel the flight {}'.format(output))
61 else:
62     return render_template('mainpage.html', prediction_text='output {}'.format(output))
63
64 @app.route('/predict_api', methods=['POST'])
65 def predict_api():
66     For direct API calls trought request
67     data = request.get_json(force=True)
68     prediction = model.predict([np.array(list(data.values()))])
69
70     output = prediction[0]
71     return jsonify(output)'''
72
73
74 if __name__ == "__main__":
75     os.environ.setdefault("FLASK_ENV", 'development')
76     app.run(debug=True)
```

The right-hand side of the IDE shows the Variable Explorer and the Python Console. The console output indicates that the script was executed successfully, showing the environment details and the Flask app running on http://127.0.0.1:5000/.

LOGIN PAGE:

Prediction of Flight Delay

Enter the flight number:	<input type="text"/>
Month:	<input type="text"/>
Day of Month:	<input type="text"/>
Day of Week:	<input type="text"/>
Origin:	<input type="text" value="ATL"/>
Destination:	<input type="text" value="ATL"/>
Scheduled Arrival Time:	<input type="text"/>
Scheduled Arrival Time:	<input type="text"/>
Scheduled Departure Time:	<input type="text"/>
Actual Departure Time:	<input type="text"/>

{{predict}}