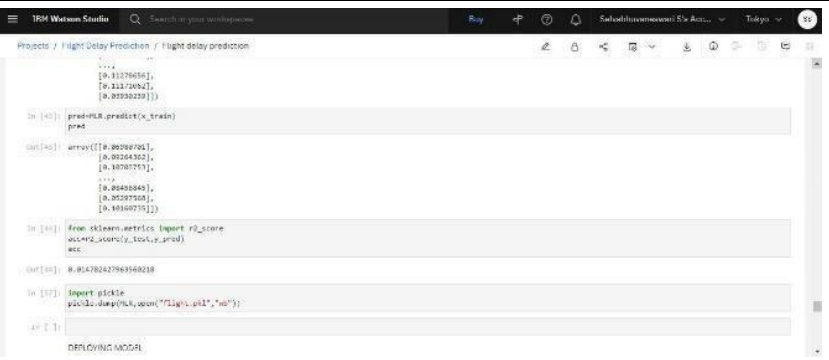
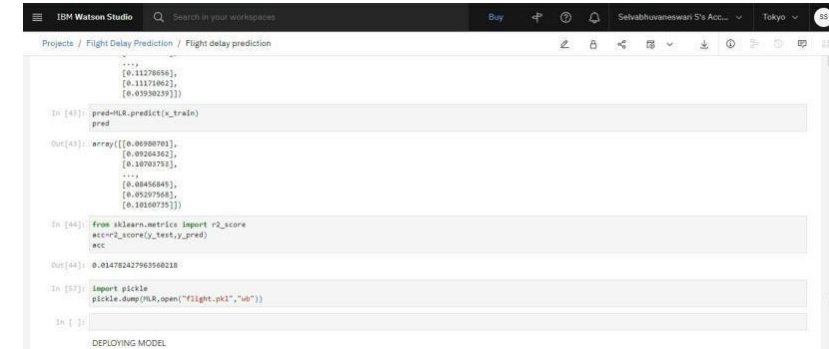


Project Development Phase Model Performance Test

Date	09 November 2022
Team ID	PNT2022TMID02840
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	<p>Regression Model: MAE - , MSE - , RMSE - , R2 score -</p> <p>Classification Model: Confusion Matrix - , Accuracy Score & Classification Report -</p>	 <pre> In [40]: pred=MLR.predict(x_train) pred Out[40]: array([[0.00000701], [0.00204362], [0.10000701], ..., [0.00400440], [0.00207560], [0.10100701]]) In [41]: from sklearn.metrics import r2_score acc=r2_score(y_test,y_pred) acc Out[41]: 0.01470242796568218 In [42]: import pickle pickle.dump(MLR,open("flight.pkl","w")) In []: DEPLOYING MODEL </pre>
2.	Tune the Model	Hyper parameter Tuning Validation Method -	 <pre> In [43]: pred=MLR.predict(x_train) pred Out[43]: array([[0.00000701], [0.00204362], [0.10000701], ..., [0.00400440], [0.00207560], [0.10100701]]) In [44]: from sklearn.metrics import r2_score acc=r2_score(y_test,y_pred) acc Out[44]: 0.01470242796568218 In [45]: import pickle pickle.dump(MLR,open("flight.pkl","w")) In []: DEPLOYING MODEL </pre>