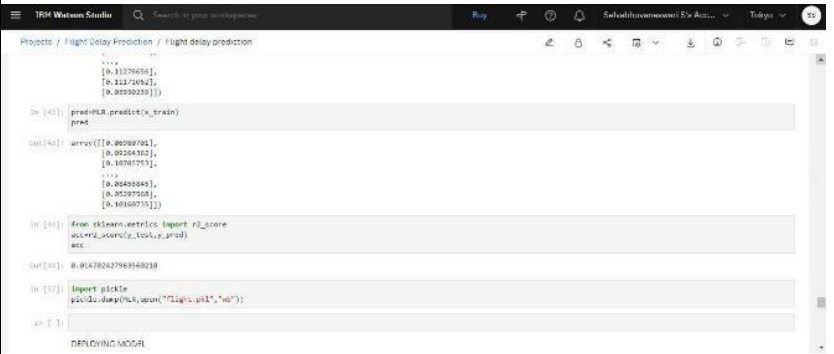
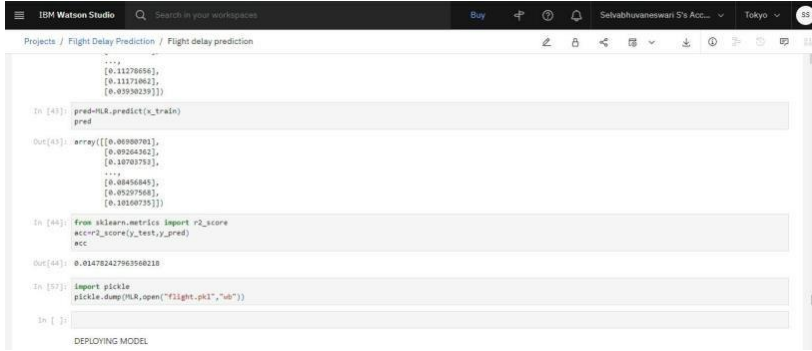


## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID16459
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><b>Regression Model:</b> MAE - , MSE - , RMSE - , R2 score -</p> <p><b>Classification Model:</b> Confusion Matrix - , Accuracy Score &amp; Classification Report -</p>	 <pre> In [40]: pred=MLR.predict(x_train) pred  Out[40]: array([[0.00289701],                [0.00284362],                [0.00787751],                ...,                [0.00400483],                [0.00297568],                [0.00302393]])  In [41]: from sklearn.metrics import r2_score acc=r2_score(y_test,y_pred) acc  Out[41]: 0.01478242796358218  In [37]: import pickle pickle.dump(MLR,open("flight.pkl","wb"))  In [ ]: DEPLOYING MODEL </pre>
2.	Tune the Model	Hyper parameter Tuning Validation Method -	 <pre> In [40]: pred=MLR.predict(x_train) pred  Out[40]: array([[0.00289701],                [0.00284362],                [0.00787751],                ...,                [0.00400483],                [0.00297568],                [0.00302393]])  In [44]: from sklearn.metrics import r2_score acc=r2_score(y_test,y_pred) acc  Out[44]: 0.01478242796358218  In [37]: import pickle pickle.dump(MLR,open("flight.pkl","wb"))  In [ ]: DEPLOYING MODEL </pre>