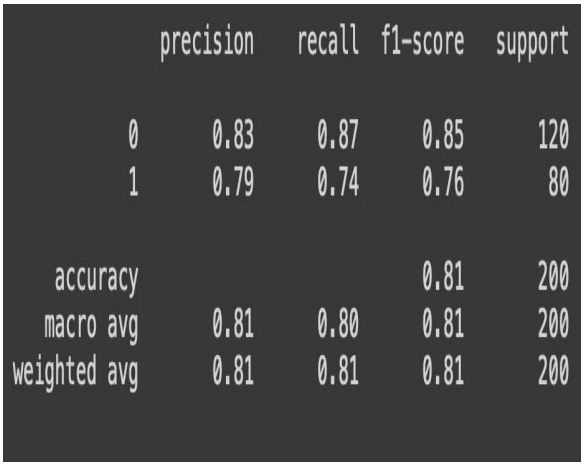
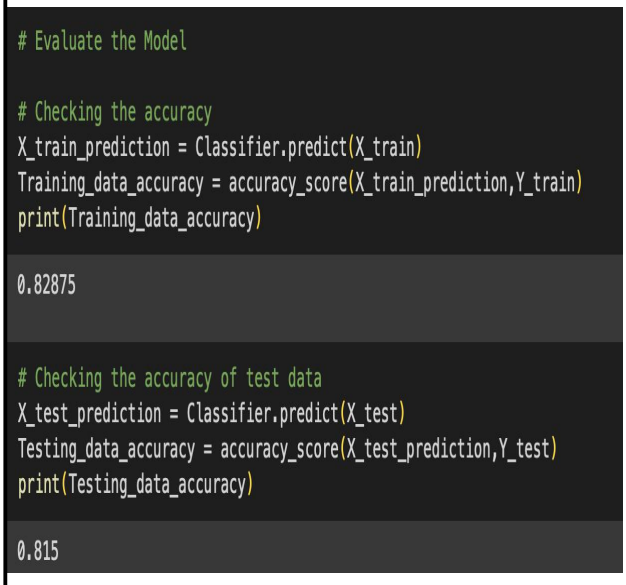
Project Development Phase
Model Performance Test

Date	06 November 2023
Team ID	592694
Project Name	Project-Car Purchase prediction
Maximum Marks	10 Marks

Model Performance Testing:

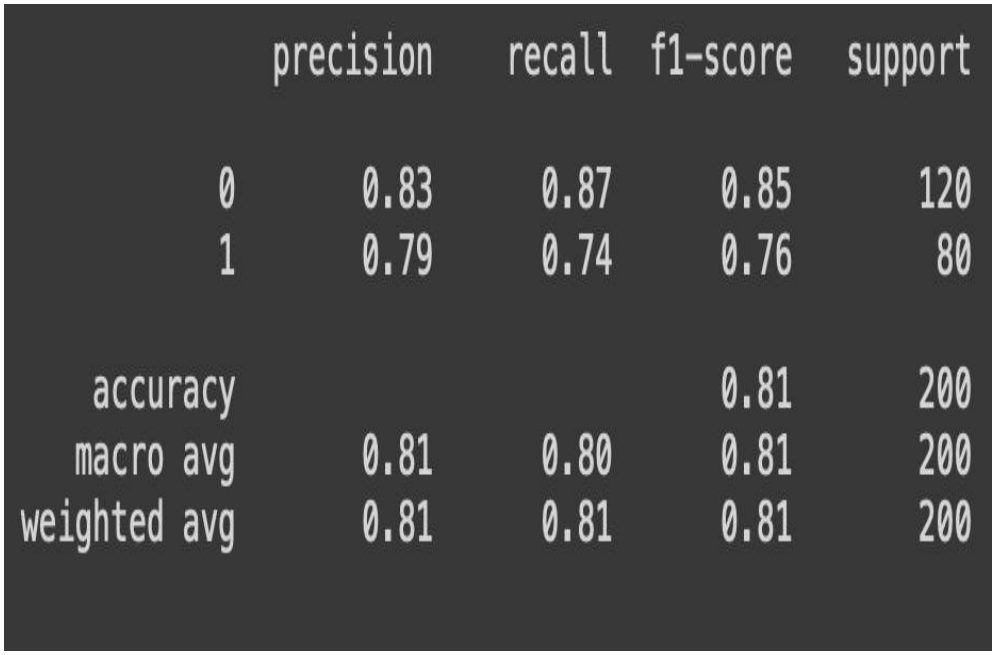
Project team shall fill the following information in model performance testing template.

S.No	Parameter	Values	Screenshot
1.	Model Summary	**Accuracy: 81** **Macro avg: 81,80,81** **Weighted avg: 81,81,81**	
2.	Accuracy	Training Accuracy - 82.87 Validation Accuracy - 81.5	

3.	Confidence Score (Only Yolo Projects)	Class Detected - NA Confidence Score - NA	Not Applicable

Screenshot:

Model Summary



	precision	recall	f1-score	support
0	0.83	0.87	0.85	120
1	0.79	0.74	0.76	80
accuracy			0.81	200
macro avg	0.81	0.80	0.81	200
weighted avg	0.81	0.81	0.81	200

Accuracy

```
# Evaluate the Model

# Checking the accuracy
X_train_prediction = Classifier.predict(X_train)
Training_data_accuracy = accuracy_score(X_train_prediction,Y_train)
print(Training_data_accuracy)
```

```
0.82875
```

```
# Checking the accuracy of test data
X_test_prediction = Classifier.predict(X_test)
Testing_data_accuracy = accuracy_score(X_test_prediction,Y_test)
print(Testing_data_accuracy)
```

```
0.815
```