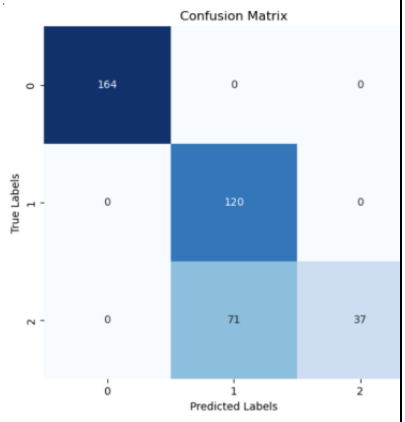
Project Development Phase
Model Performance Test

Date	**22-11-2023**
Team ID	**Team-592036**
Project Name	**Online Payments Fraud Detection Using ML**
Maximum Marks	**10 Marks**

S.No	Parameter	Values	Screenshot

1.	Metrics	Regression Model -
		MAE – 0.047
		MSE – 0.056
		RMSE – 0.237
		R2 Score – 0.830
		Classification Model -
		Confusion Matrix-
		Accuracy Score – 99%
		Classification Report-
		 
			`print("MAE :",mean_absolute_error(y_test,y_pred))`
			`print("MSE :",mean_squared_error(y_test,y_pred))`
			`print("RMAE :",np.sqrt(mean_squared_error(y_test,y_pred`
			`print("R^2 :",r2_score(y_test,y_pred))`
			MAE : 0.047021943573667714
			MSE : 0.05642633228840126
			RMAE : 0.23754227473946876
			R^2 : 0.8305957324403862

2.	Tune the Model	Hyperparameter Tuning -
		Validation Method -
			`print("MAE on test set :",mean_absolute_error(y_temp,y_pred))`
			`print("MSE on test set :",mean_squared_error(y_temp,y_pred))`
			`print("RMAE on test set :",np.sqrt(mean_squared_error(y_temp,y_pr`
			`print("R^2 on test set :",r2_score(y_temp,y_pred))`
			MAE on test set : 0.0
			MSE on test set : 0.0
			RMAE on test set : 0.0
			R^2 on test set : 1.0