Project Development Phase
Model Performance Test

Team ID	593095
Project Name	Market segmentation using ML
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	**Regression Model:**
		MAE - , MSE - , RMSE - , R2 score -
		
		Classification Model:
		Confusion Matrix - , Accuracy Score- & Classification Report -
			Classification Report
			
			```\n precision recall f1-score support\n\n 0 0.98 1.00 0.99 98\n 1 1.00 0.99 1.00 124\n 2 1.00 0.99 0.99 69\n\n accuracy 0.99 291\nmacro avg 0.99 0.99 0.99 291\nweighted avg 0.99 0.99 0.99 291\n```
			Accuracy Score
			```\nfrom sklearn.metrics import accuracy_score\nprint(accuracy_score(y_test,preds))\n\n0.993127147766323\n```
			Confusion Matrix

2.	Tune the Model	Hyperparameter Tuning - Validation Method -	Validation Method: Yes/No inputs:
			yummy: Really? Convenient: Yes Spicy: No Fattening: **ValueError** ValueError: could not convert string to float: 'Really?' **Blank inputs:** Like: Age: VisitFrequency: Gender: Predict! **ValueError** ValueError: could not convert string to float: '' **Incorrect gender input:** 30 VisitFrequency: Once a week Gender: M Predict! **ValueError** ValueError: could not convert string to float: 'M' **Incorrect Age:** Age: 2 VisitFrequency: Once a week Gender: Male Predict!