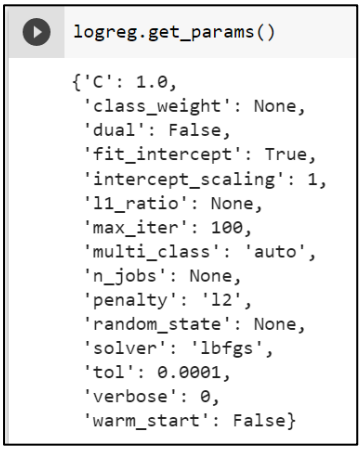
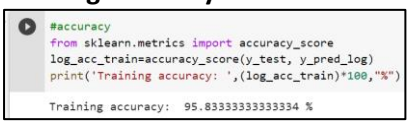
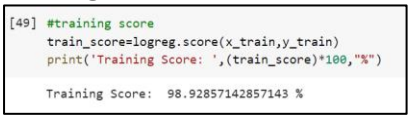
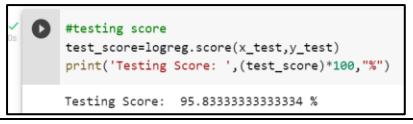
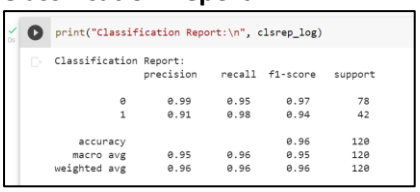
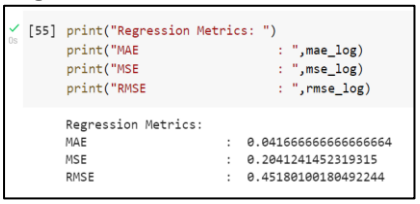
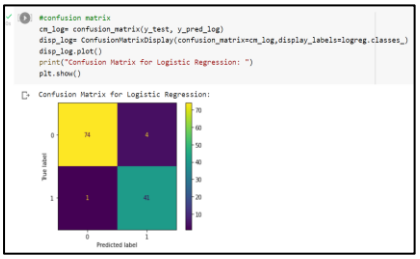
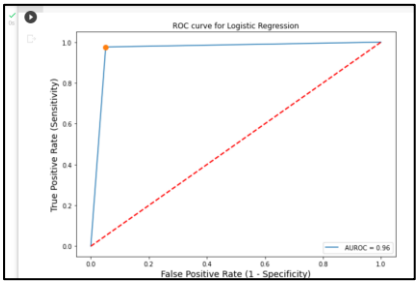
Project Development Phase
Model Performance Test

Date	10 NOvember 2022
Team ID	PNT2022TMID36002
Project Name	Project – Early Detection of Chronic Kidney Disease 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	Screenshots
1.	**Model Summary**	{'C': 1.0, 'class_weight': None, 'dual': False, 'fit_intercept': True, 'intercept_scaling': 1, 'l1_ratio': None, 'max_iter': 100, 'multi_class': 'auto', 'n_jobs': None, 'penalty': 'l2', 'random_state': None, 'solver': 'lbfgs', 'tol': 0.0001, 'verbose': 0, 'warm_start': False}	
2.	**Accuracy and Scores**	**Training Accuracy:** 95.83333333333334 % **Training Score:** 98.92857142857143 % **Testing Score:** 95.83333333333334 %	**Training Accuracy:**  **Training Score:**  **Testing Score:** 

3.	**Metrics**	**Classification Report:** It contains the precision, recall, F1-score, and support of the logistic regression model **Regression Metrics:** **-> MAE:** 0.041666666666666664 **-> MSE:** 0.2041241452319315 **-> RMSE:** 0.45180100180492244 **Confusion Matrix** **ROC Curve:** A graph to show the performance of a classification model at all classification thresholds.	**Classification Report:**  **Regression Metrics:**  **Confusion Matrix:**  **ROC Curve:** 
4.	**Tune the Model**	**Hyperparameter Tuning:** Tuning the hyperparameters of logistic regression using GridSearchCV.