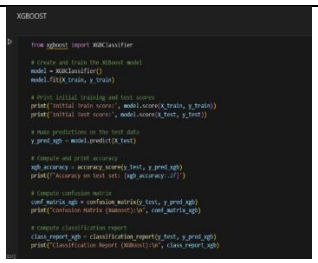
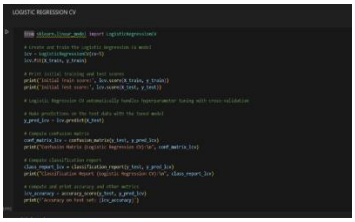
Project Development Phase
Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID38995
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis Using Adavanced 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	**Regression Model:** MAE – 1.25 MSE – 2.76 RMSE – 1.66 R2 score -0.81 **Classification Model:** Confusion Matrix – [[45,5],[8,32]] Accuray Score- 86.7% Classification Report -*Include precision, recall, F1-score*	 
2.	Tune the Model	Hyperparameter Tuning - GridSearchCV used to tune n_estimators and max_depth Validation Method - Stratified K-Fold Cross-Validation (K=5)