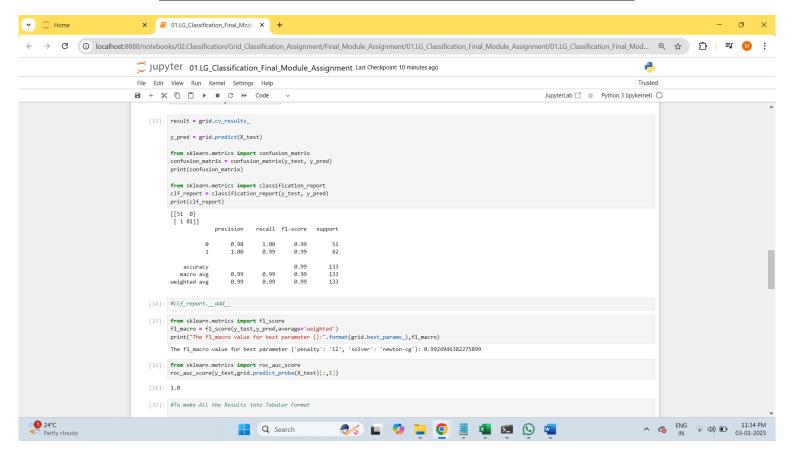
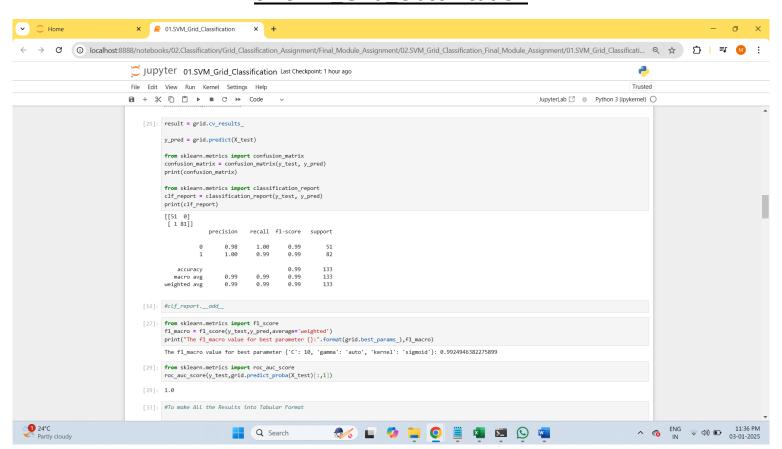
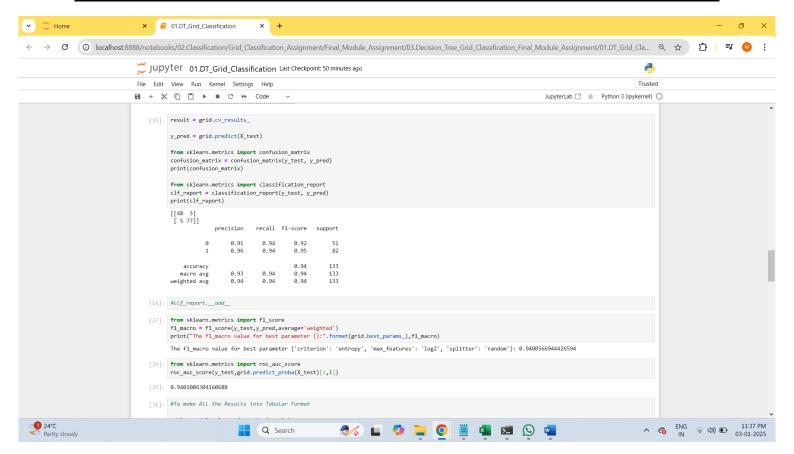
01.LG Classification Final Module Assignment



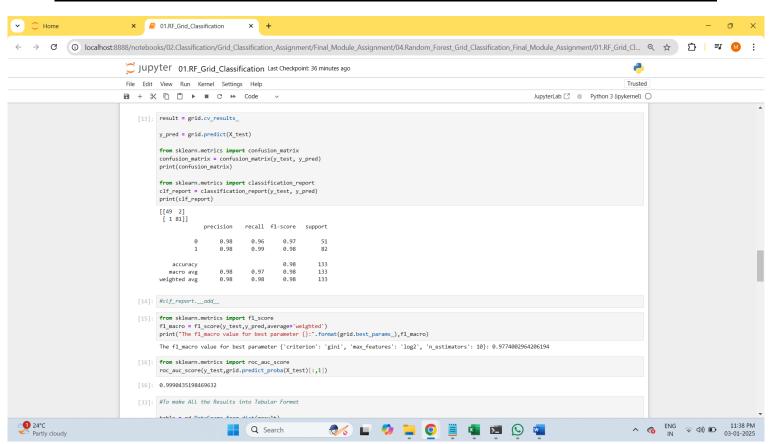
02.SVM Grid Classification



03. Decision Tree Grid Classification Final Module Assignment



04.Random Forest Grid Classification Final Module Assignment



Overall Result

• The Best Model would be saved as Deployment Phase for the One which has Both the **Highest Accuracy Value and roc_auc_score** as Highlighted Below:

S.No	Type of Classification	Hyper Tuned Parameters	Accuracy	roc_auc_score
1	LG	<pre>param_grid = {'solver':['newton-cg','lbfgs','liblinear','saga'],</pre>	0.99	NA
2	SVM	param_grid = {'kernel':['linear','rbf','poly','sigmoid'], 'gamma':['auto','scale'], 'C':[10,100,1000,2000,3000]}	0.99	1.00
3	Decision Tree	<pre>param_grid = {'criterion':['gini','entropy'], 'max_features':</pre>	0.94	0.94
4	Random Forest	param_grid = {'criterion':['gini','entropy'], 'max_features': ['auto','sqrt','log2'], 'n_estimators':[10,100]}	0.98	0.99