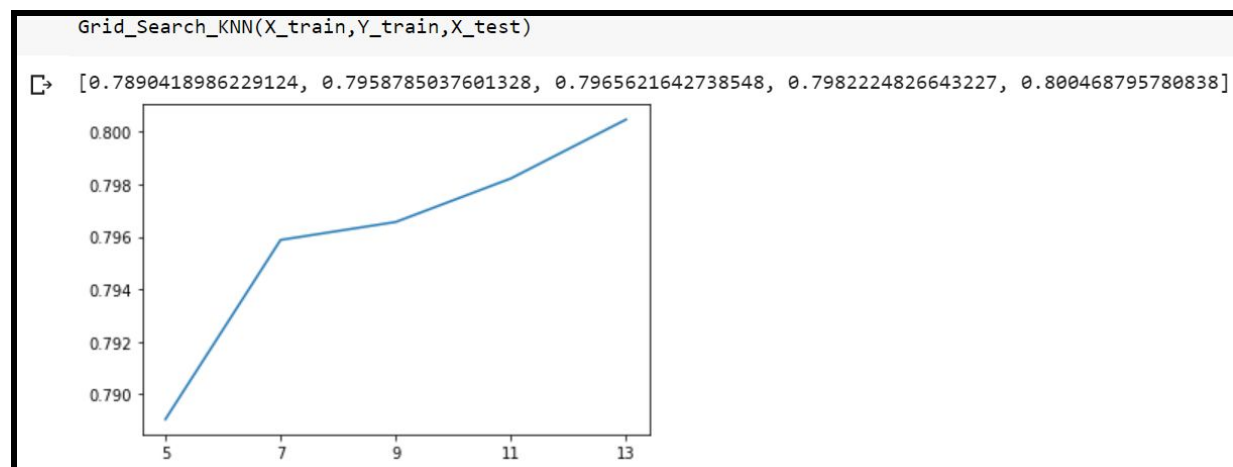
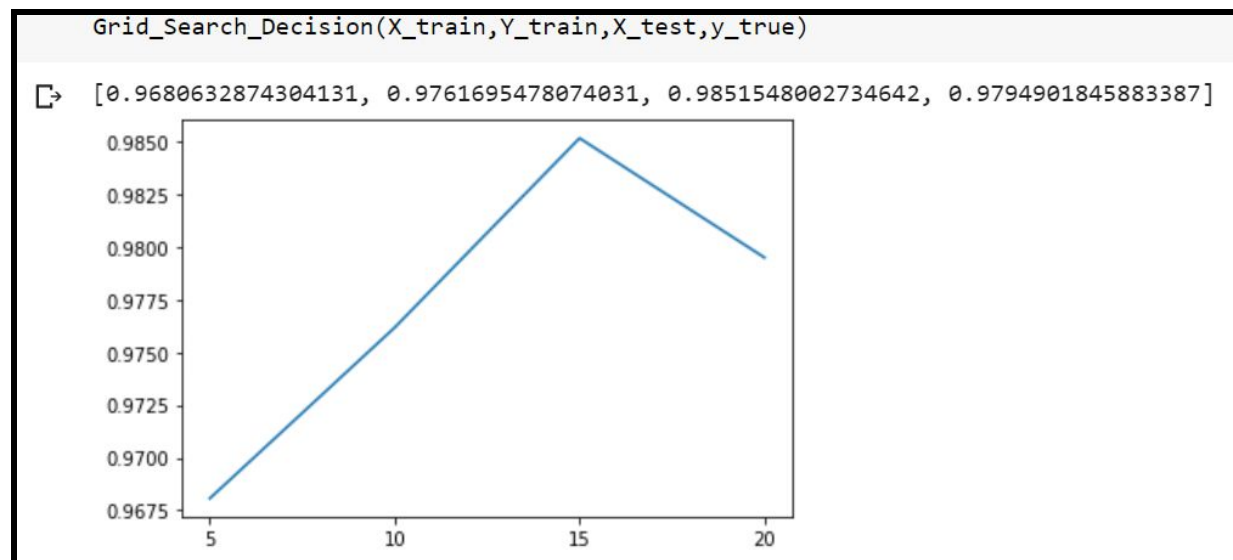


Grid search helps in determining the best hyper parameters for tuning the model. It determines the behaviour of the model. Grid search is performed for Decision Tree, KNN and SVM and the accuracy for different hyper parameters is tabulated below:

Model	Hyper parameter	Best Value	Accuracy
Decision Tree	MaxFeatures	15	98.51
KNN	Neighbours	13	80.04
SVM	C	100	92.46



Grid_Search_SVM(X_train,Y_train,X_test)

☞ [0.6019142494384218, 0.8577986131458151, 0.9106358042777615, 0.9246020119152261]

