PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-2

DATE	4 OCTOBER 2022
TEAM ID	PNT2022TMID15486
PROJECT NAME	Car Resale Value Prediction
MAXIMUM MARK	4 Marks

Choosing appropriate model

```
[ ] from sklearn.model_selection import cross_val_score, train_test_split

#Split into train and validation
X_train, X_test, y_train, y_test = train_test_split(X, Y, test_size=0.33, random_state = 3)
print(X_train.shape, X_test.shape, y_train.shape, y_test.shape)

(203769, 7) (100364, 7) (203769,) (100364,)
```

 $\ \ \Box$ Fitting 2 folds for each of 1 candidates, totalling 2 fits Score: 0.78

• Dumping to pickle file

```
[ ] print(gs.best_score_)
    print(gs.best_params_)

0.7707290246596359
{'loss': 'squared_error', 'max_depth': None, 'max_iter': 500, 'max_leaf_nodes': 31, 'min_samples_leaf': 20}

[ ] import pickle
    pickle.dump(gs,open('histmodel.pkl','wb'))
```

