Car Class Project-Classification Model Report

- Import the necessary libraries
- Load the dataset through pandas package
- Do exploratory data analysis
- Check whether dataset has null values or not
- Check whether dataset has duplicated values or not
- Check for unique values for each feature in the dataset
- Check target values for missing values which is replaced by np.nan.
- Drop the unnecessary column & outliers
- Replace the null values by using simple imputer to fill value to its mean value if numeric or with most frequent for categorical
- Apply ordinal encoder to the categorical features
- Draw boxplot by using seaborn library
- Do feature scaling use standard scaler
- X is assigned as independent variable data and y assigned as dependent variable data
- Split into train and test data(20%)
- Apply different types of Machine learning Algorithm and build Classification models
- Tune the parameters of models as required and calculate metrics

    1. Accuracy
    2. F1-Score