Day3 Questions

1. Develop an ML model for predicting sales for the Advertising data (Advertising.csv file) using Linear Regression.
2. Develop an ML model to predict the home price from interest rate.(loan.csv file)
3. Develop an ML model to predict diabetes(last column in the datset) from the pima Indians dataset using Logistic Regression. This dataset is from the National Institute of Diabetes and Digestive and Kidney Diseases. The objective is to predict based on diagnostic measurements whether a patient has diabetes. Several constraints were placed on the selection of these instances from a larger database. In particular, all patients here are females at least 21 years old of Pima Indian heritage (pimaindians.csv)
4. Apply Linear Regression on any suitable dataset from this link (https://people.sc.fsu.edu/~jburkardt/datasets/regression/regression.html)

   Split the data as train and test sets before developing the model. Plot the actual and predicted points for test data. Obtain mean squared error & RMSE value
5. Develop an ML model to predict the average parking rates per month for a city from the city related data (city.csv)
6. Develop a KNN model and do accuracy computation with cross validation. Also obtain Precision , Recall and F1 Score using classification report.