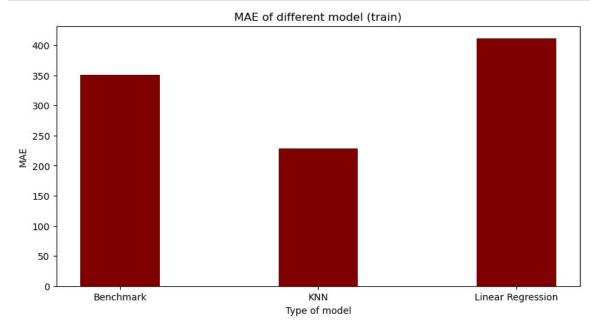
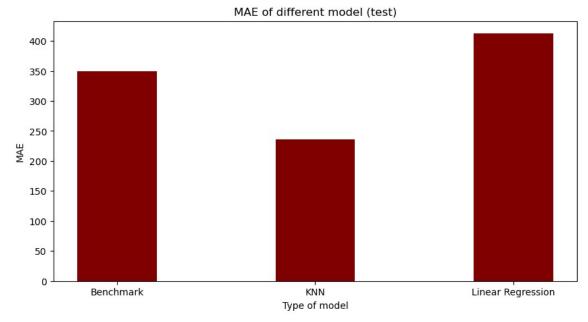
Bar plot of MAE of the different model



Linear Regression Model has the highest MAE with least MAE of KNN (train).

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Linear Regression Model has the highest MAE with least MAE of KNN (test).

Evaluation metric: Since our target variable is continous (trip_duration in seconds) we have used MAE, MSE for KNN; MAE for Benchmark; MAE for Linear Regression.

Considering analysis from EDA provided: 1>Some outiliers are removed. trip_duration>6000 are removed(Considering Box plot for passenger count in EDA analysis) 2>'Short distance' is calculated using features- pickup and dropoff- (lattitude and longitude) repectively.

Observations and Conclusions: 1>KNN vs Benchmark vs Linear: Since KNN has the least MAE it is the best model out of these.

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In []:
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