2.The feature OverallQual is alone giving the best prediction with least rmse and high test scores

![Table

Description automatically generated]()

3.**Combinations of all top 10 features**

![Table

Description automatically generated]()

4.**Single model with all features**

Train Score : 0.928

Test Score : 0.812

RMSE : 35623.30

Overall features show more accuracy in prediction with high test scores of 81% when compared with two features. However, model seems a bit overfitting since the performance on train is better than test.

5. **5NN Regressor**

Train Score : 0.77

Test score : 0.60

RMSE: 51966.07

**10NN Regressor**

Train Score : 0.71

Test Score: 0.59

RMSE: 52392.16

Out of above two 5NN regressor seems working better when compared with 10NN

However, they are not better when compared with linear regressor.

6.Out of all Linear Regressor performs better when trained with all the features