Description-

Using c programming language we have implemented the concept of machine learning through linear regression to predict the the pricing of houses in boston using a fraction of the dataset’s square footage column as input to train the model to output a highly accurate result.

Learning outcome-

Self learning-linear regression

Observations-

The accuracy of the output increased with respect to the fraction of the dataset tested

The linear regression function is in essence a function to find the line of best fit

The precision of the output depended on two parameters directly choosing the the correct y intercept and slope on the line.

Preprocessing is incredibly important in machine learning as every input contributes to the overall accuracy of the model.