PROJECT REPORT

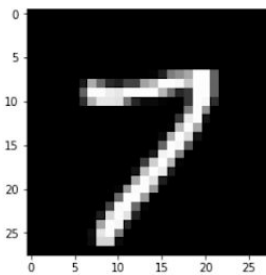**OVERVIEW:**

   Topic of the project is "**handwritten digit recognition**" . in this project we used the MNIST training dataset to train as well as test our model . 50% for training while the remaining 50% for testing . In this project we found the accuracy of the model using different classifies like knearestneighbour(3) ,decision tree and linear regression with their respective accuracy score being 96.436%, 84.813%, 25.840%.
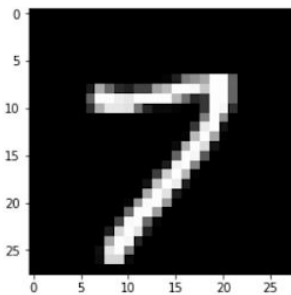Below are the sampled image with their predicted value.

USING LINEAR REGRESSION:

Predicted value: [6.17386281]

USING KNN(3):

Predicted value: [7]

USING DECISION TREE:

Predicted value: [7]