

2)

KNN Classifier -

We are finding the distance from the test case to all the training data and predicting label using the nearest k points.

We need to find a optimal k such that we get correct prediction for that reason we are running a loop in the program

Optimal k using given test cases is 981.

Output:

For the 1st test case

981

Label : 1

For the 2nd test case

983

Label : 1

For the 3rd test case

Label : -1

For the 4th test case

Label : -1