**To Predict** Finding the Problem -**Application** Digit recognition Input: Pixel value of Input Image Output: 10 Digits (0 to 9) **Collecting Dataset** MNIST Digit Dataset Shape Load Dataset from the directory & (42000, 785) **Load & Summarize Dataset Target** SYNTAX: dataset. iloc[:,start\_col: end\_col] X = dataset.iloc[:,1:] Segregating Dataset into X & Y Y = dataset.iloc[:,0] **Splitting Dataset to Train & Test** It consists of a large number of individual Algorithm **Random Forest - Classifier** max features how many processors it is allowed to use. Training our Model for Pre-processed **Evaluate/Validation** Obtaining the accuracy of the Model Prediction

Digit Recognition using RANDOM FOREST Classifier