ReadMe

Folders :
correct : Contains all extracted characters images
dataset: Contains all extracted characters images with some irrelevant images
FinalDataset : Contains images for running the code
TrainingData : Training set for SVM model.

Files:
MATLAB files:

testRun.m
This runs the main.m file

main.m:
This the main code file

process.m
This removes top ⅓ of image and extracts out the number plate based on our algorithm

Image_resized.m
Extracts the connected component into a single image using bounding box

transform.m
Irrelevant line removing

FindImage.m :
FInds files in a directory

generateMatrix.m

Python file:

Learn.py : implements machine learning model and gives output as the number on plate in answer.out file.

Answer.out : Contains final result

How to Run:

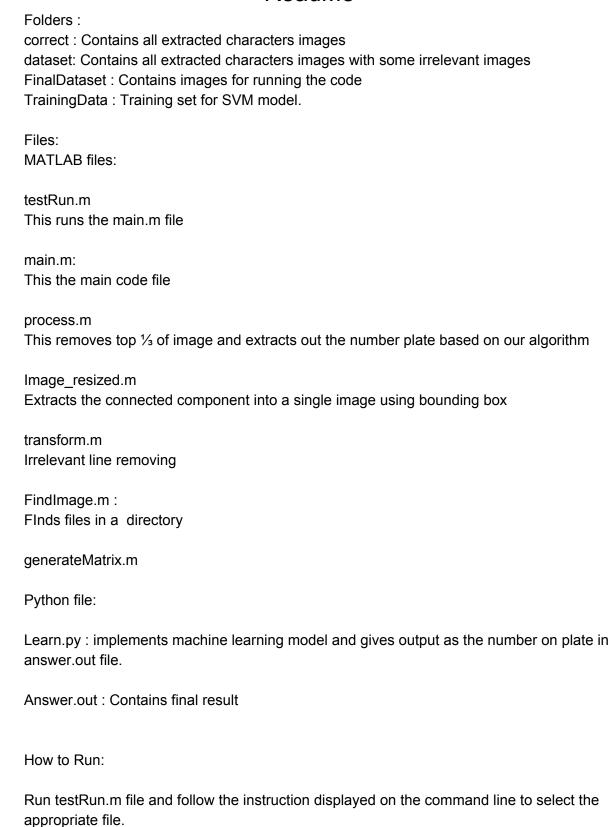Run testRun.m file and follow the instruction displayed on the command line to select the appropriate file.

Then run learn.oy file to produce the final output. This output is written in answer.out file.