Lab 9 Report

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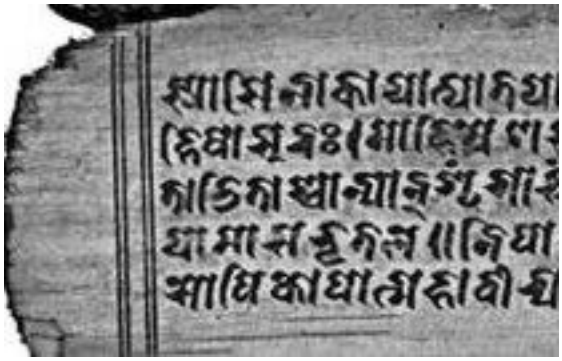
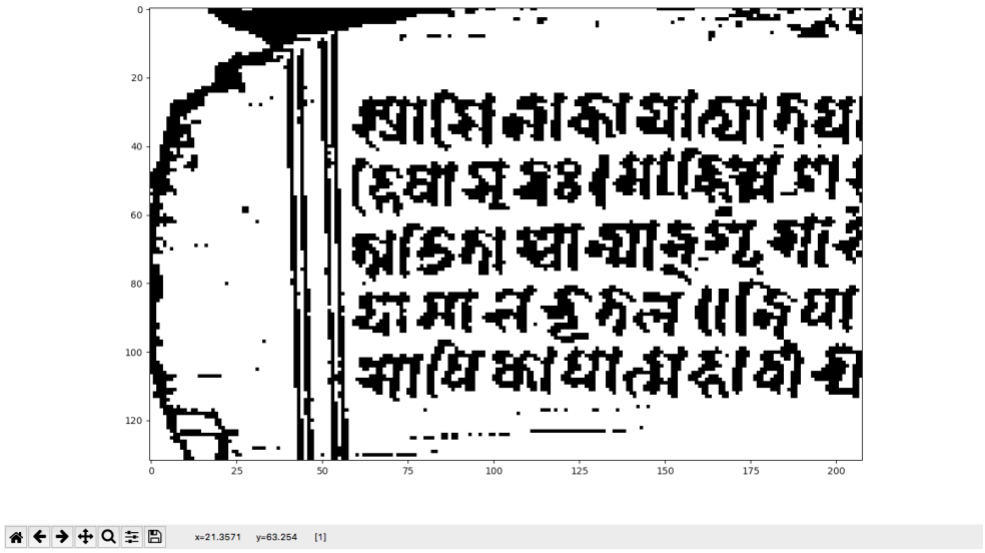
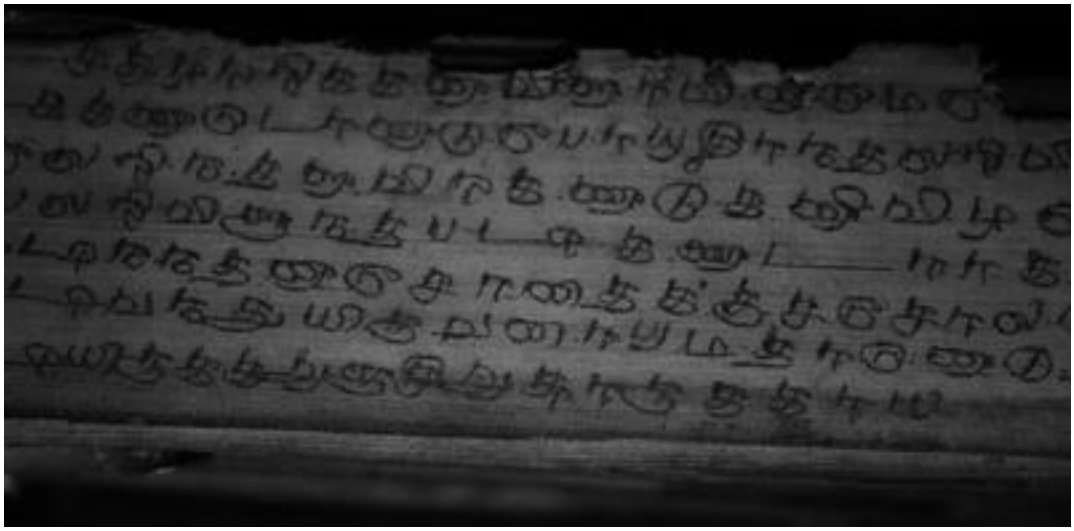
Input image: Palmleaf1.pgm



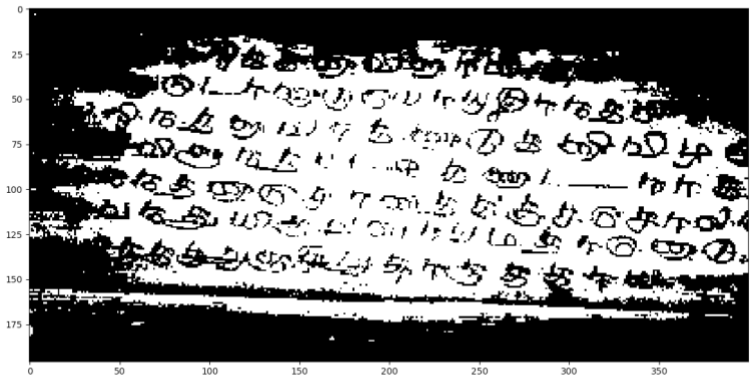
Output: Thresholded binary image



Input: palmleaf2.pgm



Output : Thresholded binary image

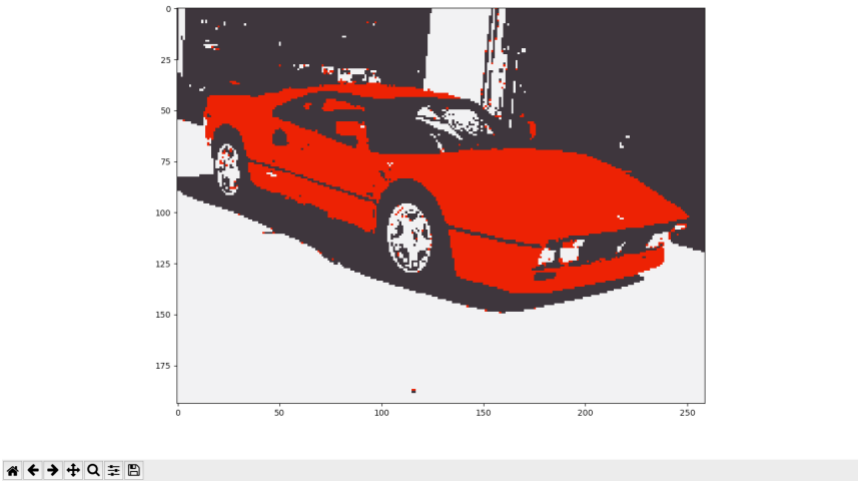


My Observation: After Thresholding the first image becomes more clearer, whereas in second image thresholding causes the scripts to be less clear. The reason is in Otsu's thresholding method we have fixed the threshold limit only one value and it will not work for the case where the background and foreground intensity values are nearer.

**********K Means Clustering**********

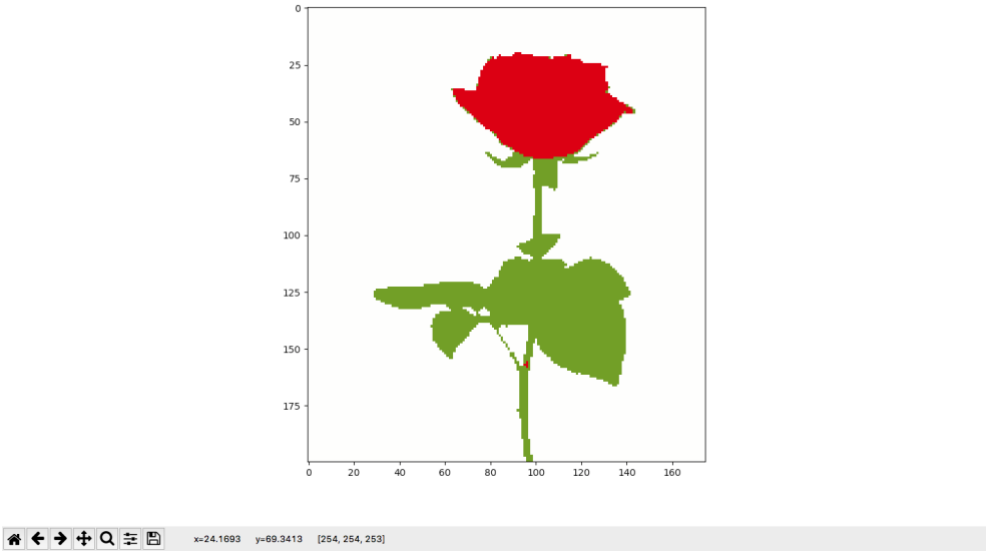
Input Image

Output Image:



Input Image:

Output Image:



Observation : K-means clustering is able to threshold the image properly. It is able to divide the image into different clusters of nearby intensity and in one cluster make all the intensities equal.