Assignment 2: Classification and Segmentation with clustering

You have to perform the given tasks:

a) For the dataset of Assignment 1, perform classification using k-means clustering for the non-linearly separable case.

b) Perform k-means clustering-based segmentation of the given image.

   i) When using only pixel colour values as features

   II) When using both pixel colour and location values as features

   (In both cases, display the segmentation output as a colour image, with different colours assigned pixels belonging to different clusters, and same colours assigned to pixels belonging to the same cluster)