Problem Statement

Assignment 2: Classification and Segmentation with clustering

- a) For the dataset of Assignment 1, perform classification using k-means clustering for the non-linearly seperable cases
- b) Perform k-means clustering based segmentation of the given images,
- 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)