k- means cluster

1)Aim: To implement and design k means clustering algorithm using weka.

Algorithm:

• Choose the number of cluster K.

• Randomly select any K data point as cluster centers.

• Select cluster centers in such a way that they are as further as possible form each other.

• Calculate distance between each data point& each cluster centre.

• Assign each data point to same cluster.

• A data point is assigned to that cluster whose Centre in nearest to data point.

• Re-compute the Centre of newly formed clusters.

• Keep repeating the procedure from step4 to step6 until Centre of newly formed clusters do not change.

Output:

