1. **Write a program to implement k-means clustering algorithm**

publicvoidclusterData(){

kmeans=newSimpleKMeans();

kmeans.setSeed(10);

try{

kmeans.setPreserveInstancesOrder(true);

kmeans.setNumClusters(10);

kmeans.buildClusterer(cpu);

int[] assignments =kmeans.getAssignments();

int i =0;

for(intclusterNum: assignments){

System.out.printf("Instance %d -> Cluster %d\n", i,clusterNum);

i++;

}

}catch(Exception e1){

}

}