Q2 Readme

For this problem, I refer to the concept of CLIQUE (Clustering in QUEst). It can be considered as both density-based and grid-based. According to the slides (page 88/99 in 10ClusBasic), it has the following major steps:

- Partition the data space and find the number of points that lie inside each cell of the partition.
- Identify the subspaces that contain clusters using the Apriori principle
- Identify clusters
    - Determine dense units in all subspaces of interests
    - Determine connected dense units in all subspaces of interests.
- Generate minimal description for the clusters
    - Determine maximal regions that cover a cluster of connected dense units for each cluster
    - Determination of minimal cover for each cluster

The codes are mainly based off the abovementioned steps of implementing the CLIQUE algorithm, where minp represents the density threshold while N represents the step size number of grids for each dimension.