Data Mining Assignment 1

Q1:

Apply K-Mediods clustering algorithm to form two clusters, use

Manhattan distance to find the between data points and mediod,

And let C1 = (4, 5) and C2 = (8, 5) are the two medoids.

In the second step let C1 = (4, 5) and C2= (8, 4)

I	x	y
X1	8	7
X2	3	7
X3	4	9
X4	9	6
X5	8	5
X6	5	8
X7	7	3
X8	8	4
X9	7	5
X10	4	5

Q2:

Using Agglomerative hierarchical clustering, cluster the following data points using single linkage hierarchical clustering and draw the final dendogram of these clusters.

	feature 1	feature 2
p	1	3
q	3	-2
r	2	4
s	5	2