1. We consider the following 6 data points:

    p1: (5, 9), p2: (5, 8), p3: (3, 8), p4: (1, 2), p5: (2, 1), p6: (4, 4).

    The distance function is Euclidean distance.

    Find the clusters in this data set based on DBSCAN, with Eps=2 and Minpts=3. Identify the core points, border points and noise points.

2. Given the following 4 points with 2 attributes:

    A: (2, 2), B: (2, 3), C: (3, 5), D: (4, 3).

    The distance function is Euclidean distance.

    Perform agglomerative hierarchical clustering using the single link (or MIN) approach and the complete link (or MAX) approach, respectively. Show the order in which the points are merged.