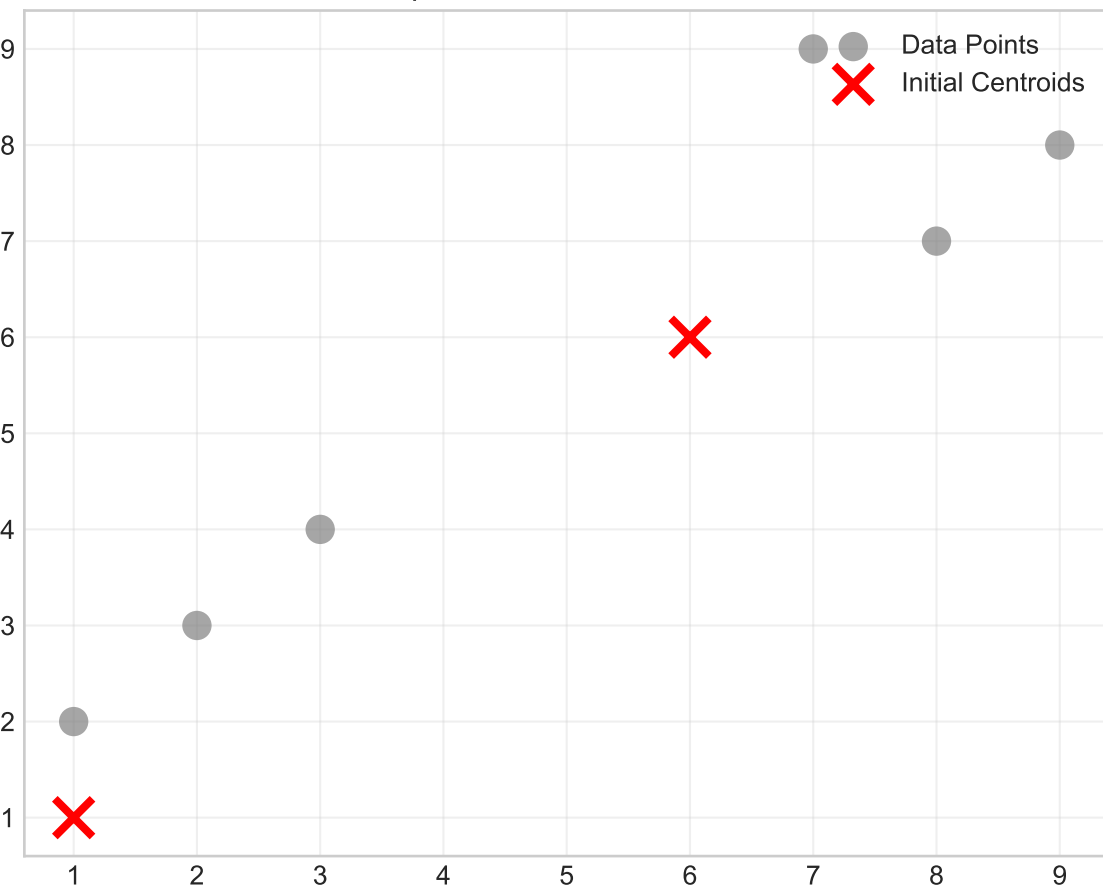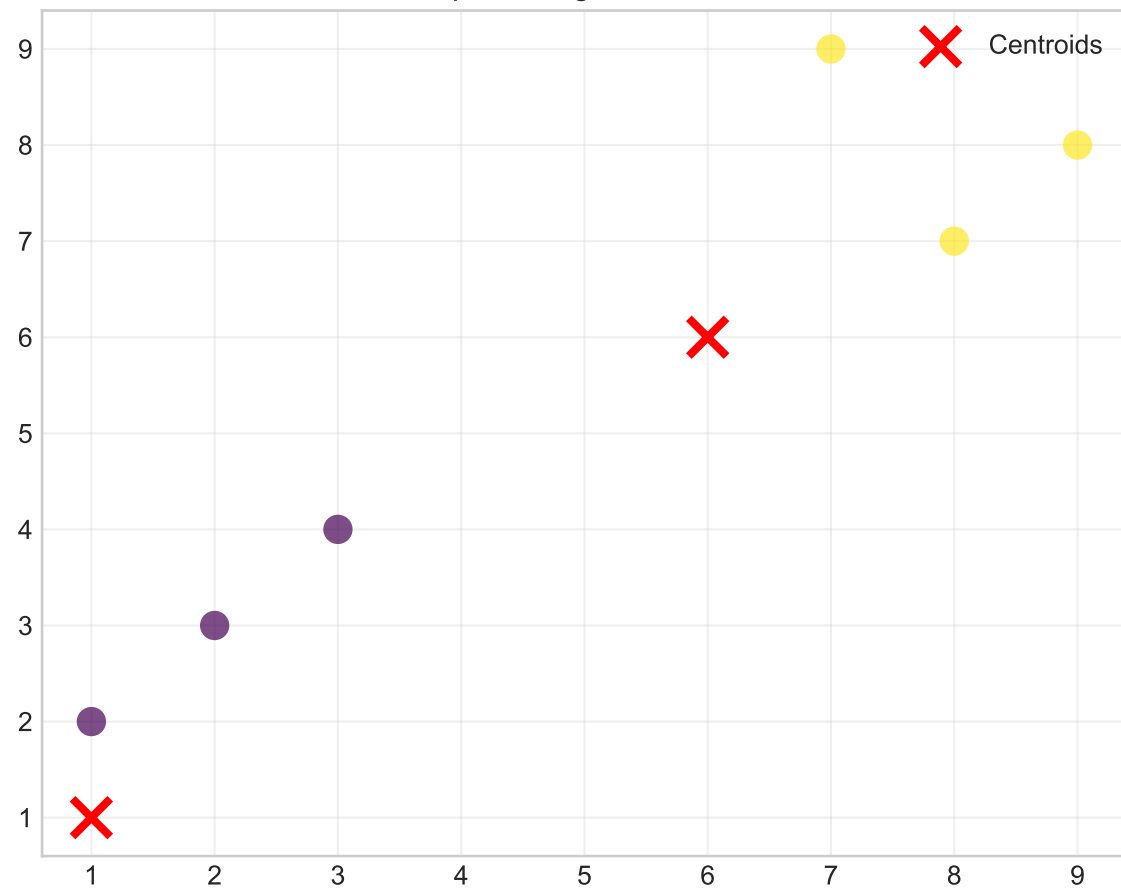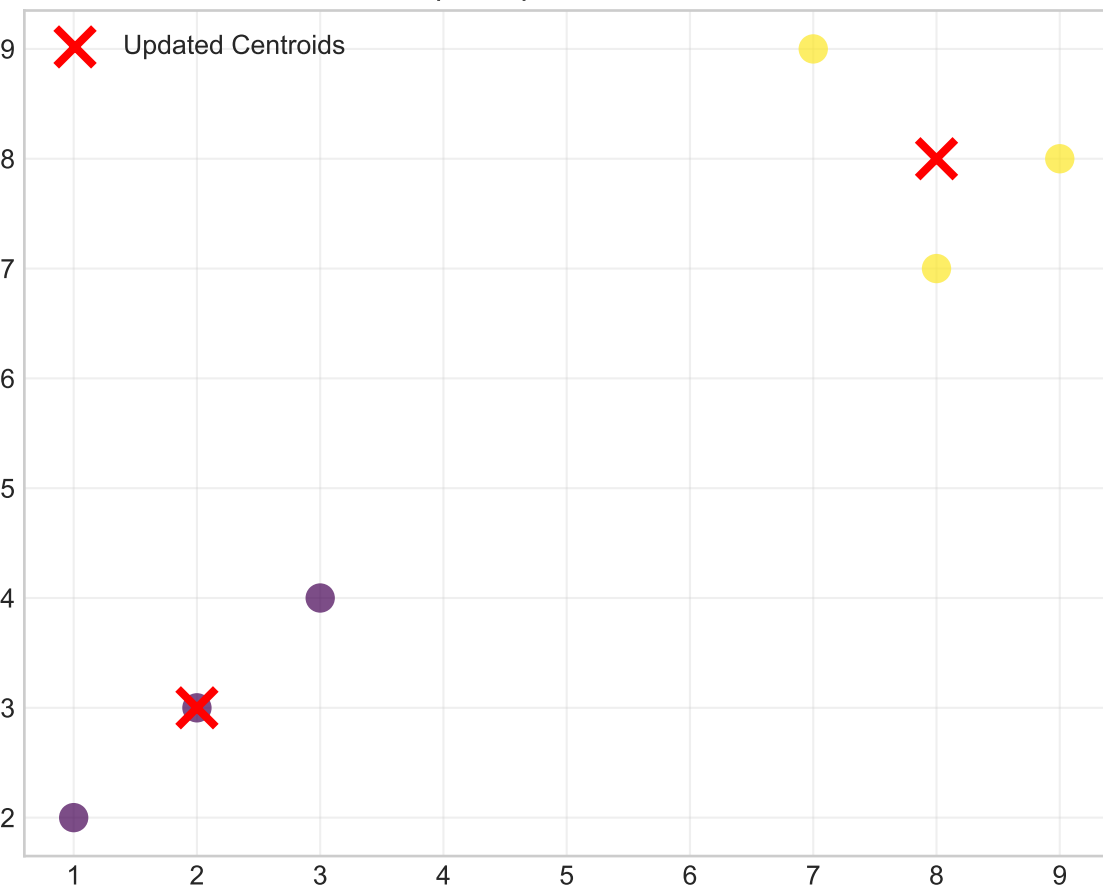Step 1: Random Initialization

Step 2: Assign to Nearest

Step 3: Update Centroids

Step 4: Iterate

Repeat Until Convergence