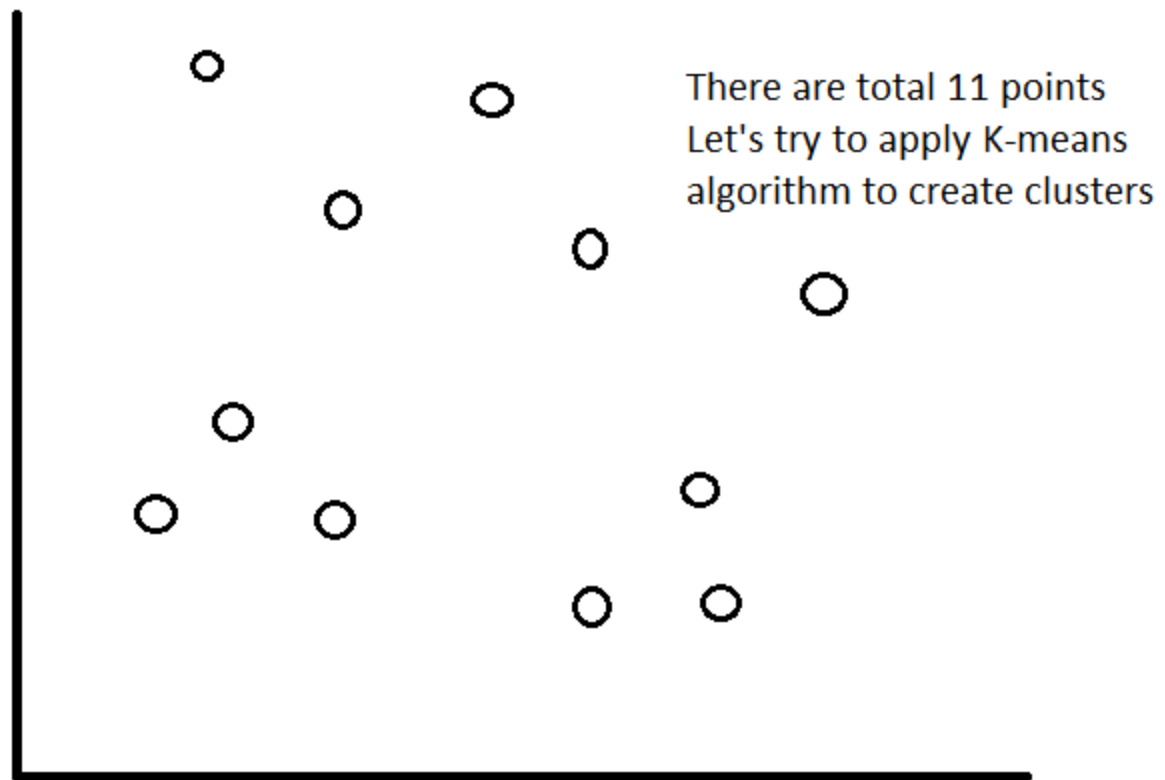
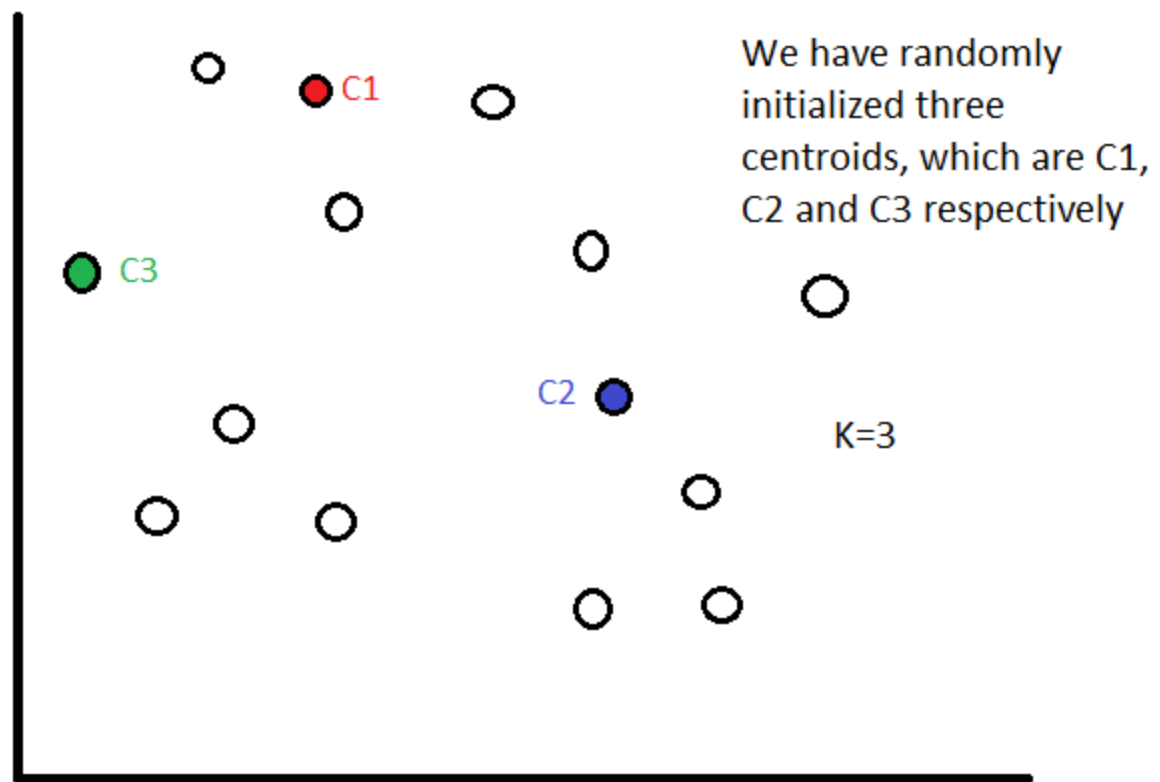
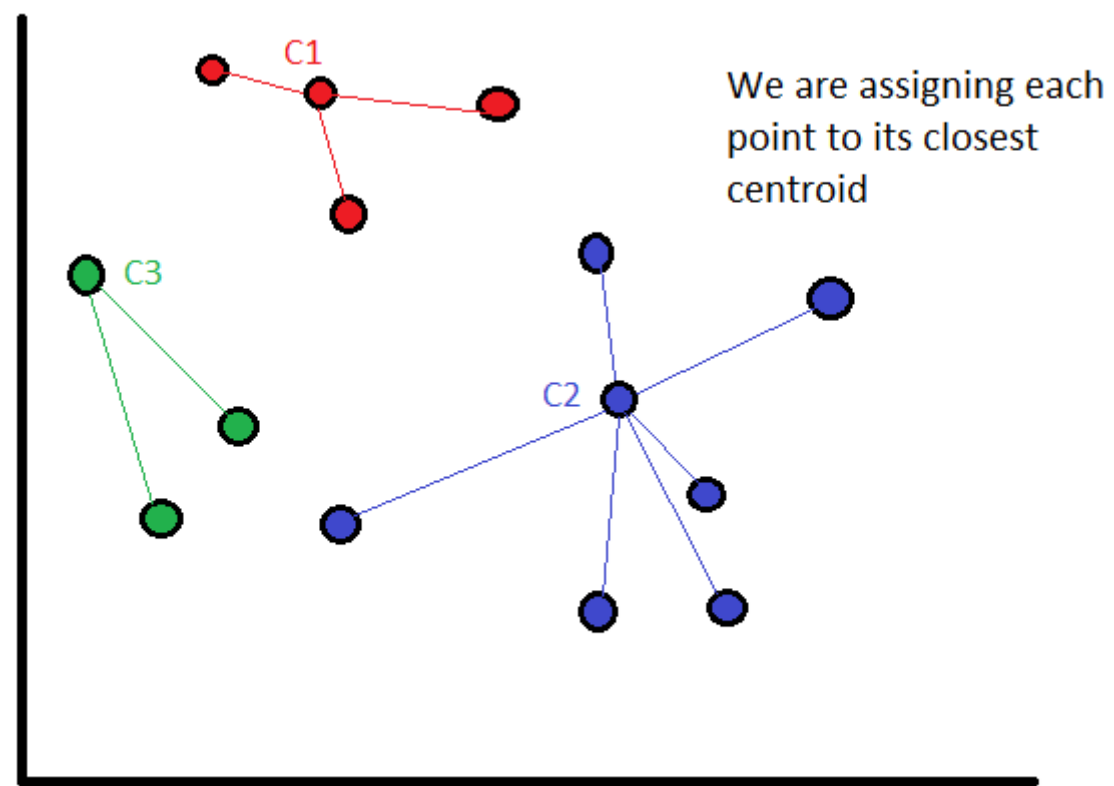


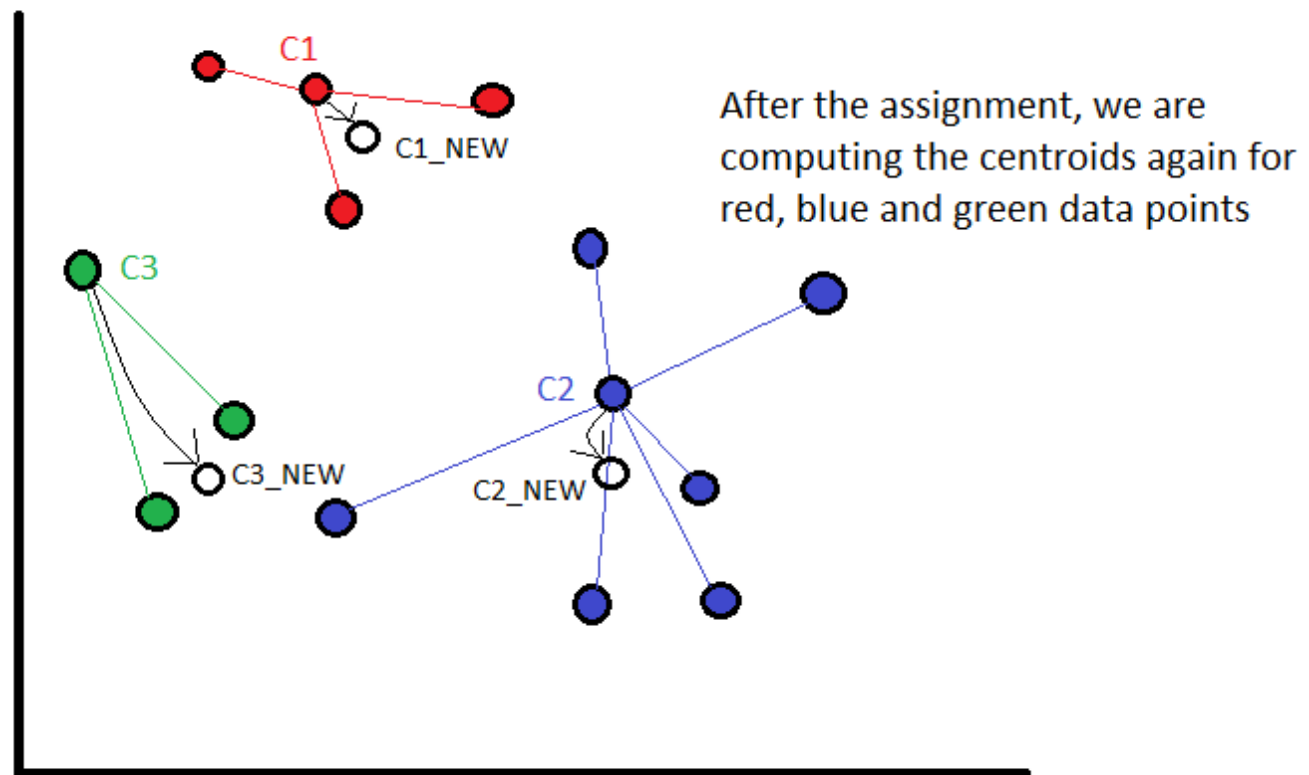
K-means algorithm

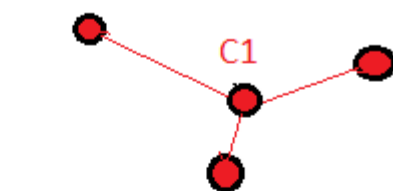
Visualization







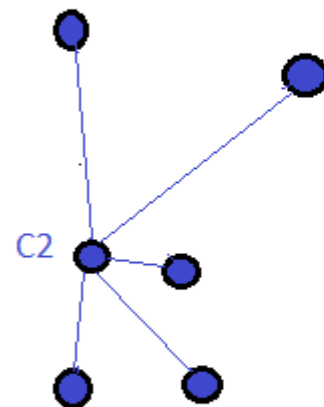


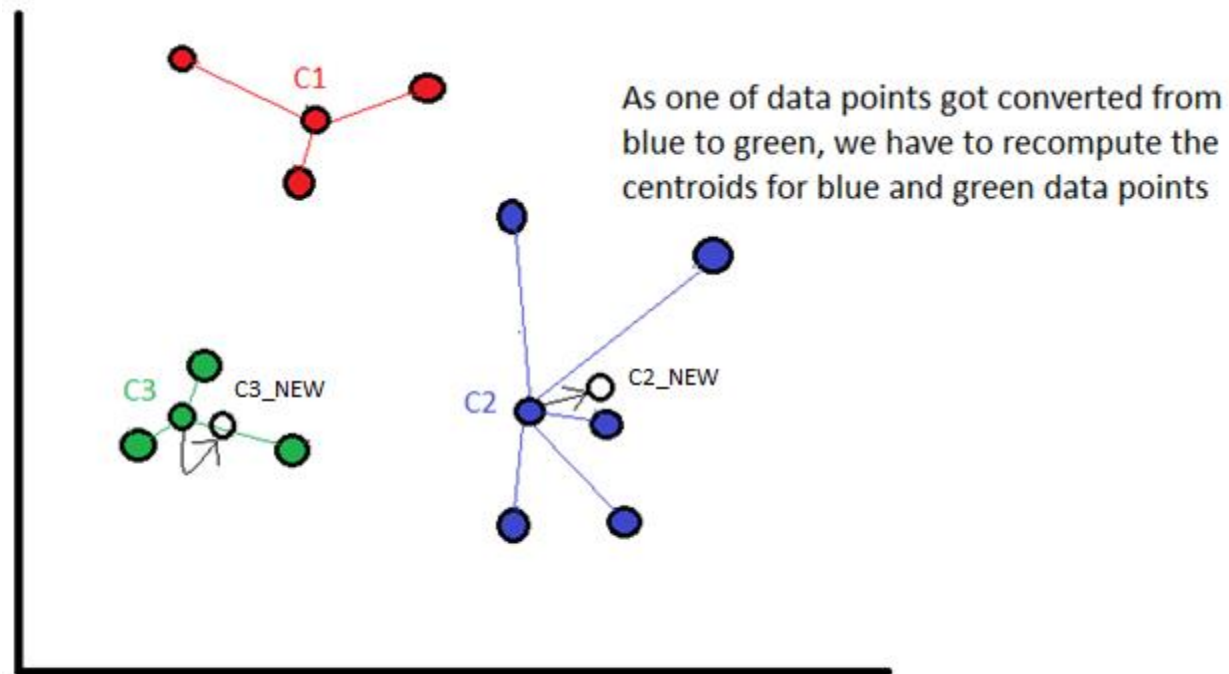


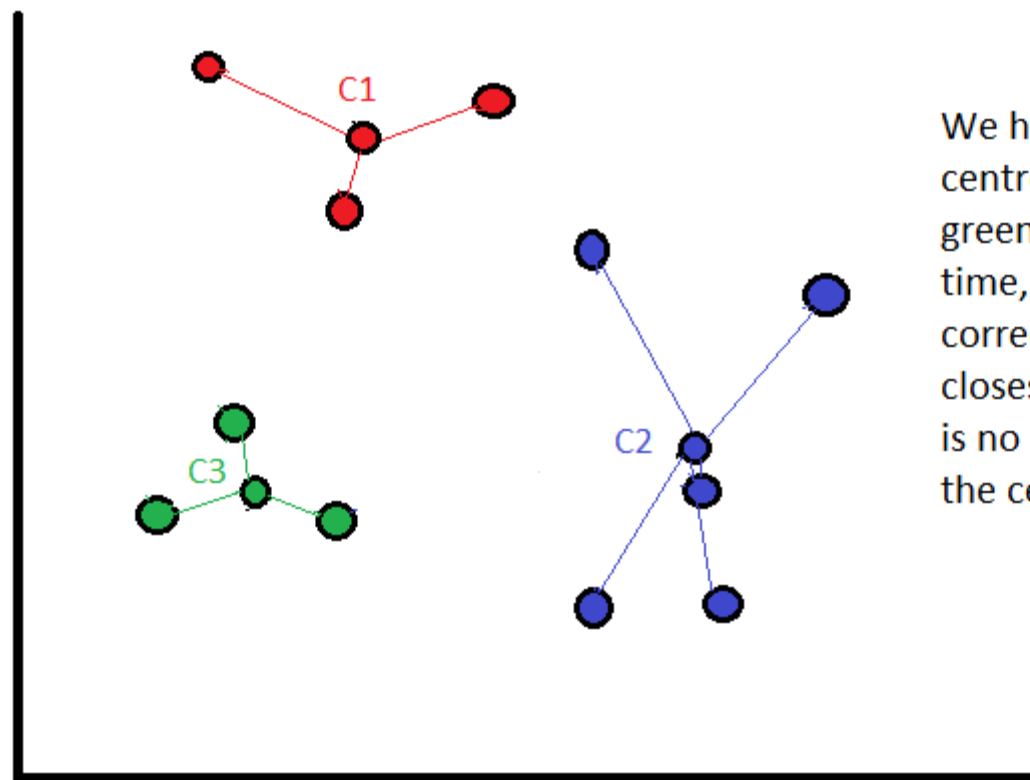
We have now moved to the new three centroids



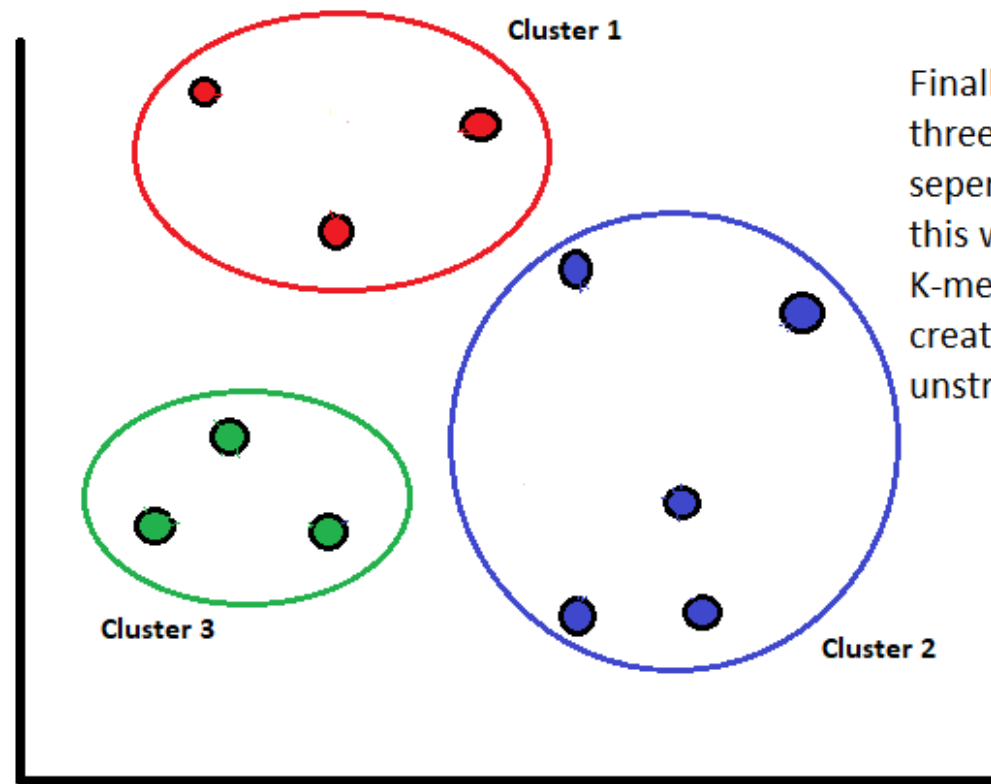
Due to the change in location of the C3 centroid, the data point X has been converted from blue to green, it means that point X is closer to centroid C3 than C2







We have moved to new centroids for blue and green data points. This time, all the points are correctly assigned to its closest centroid, so there is no need to compute the centroids again.



Finally, we can see three clearly separable clusters. In this way, we can use K-means algorithm to create clusters for unstructured data