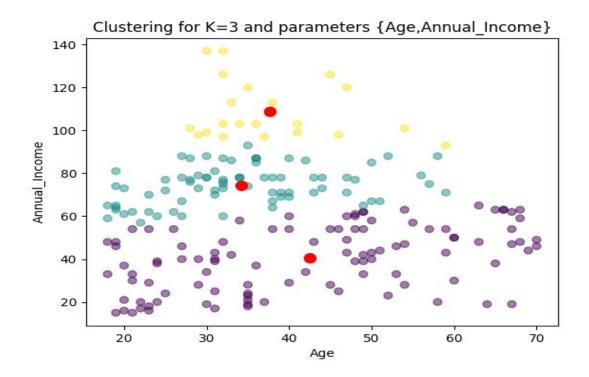
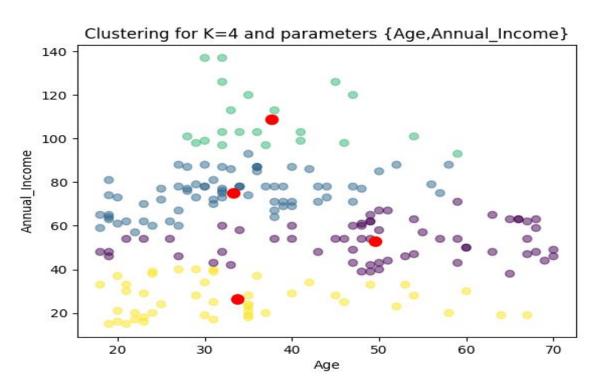
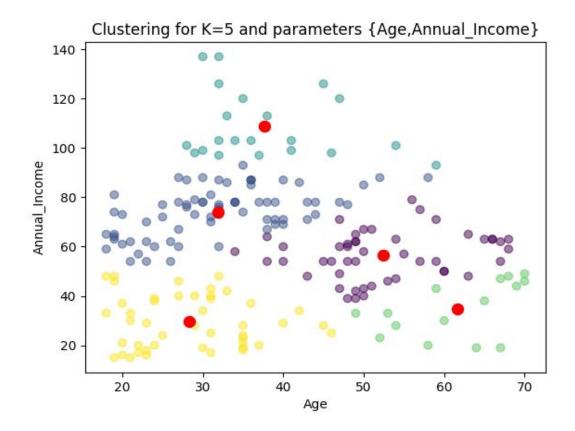
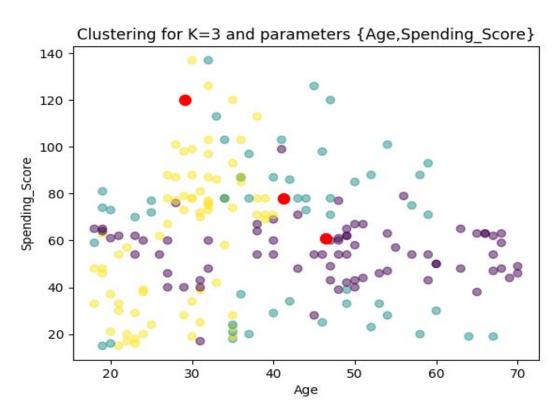
Clustering Coding Assignment Results:

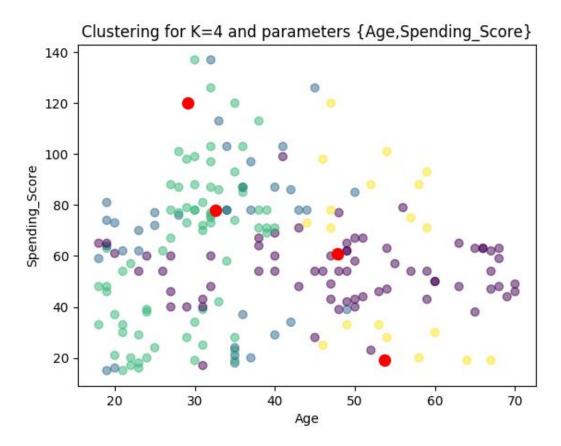
The resulting plots are:

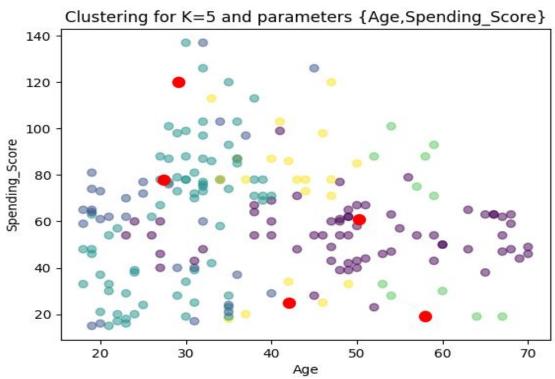


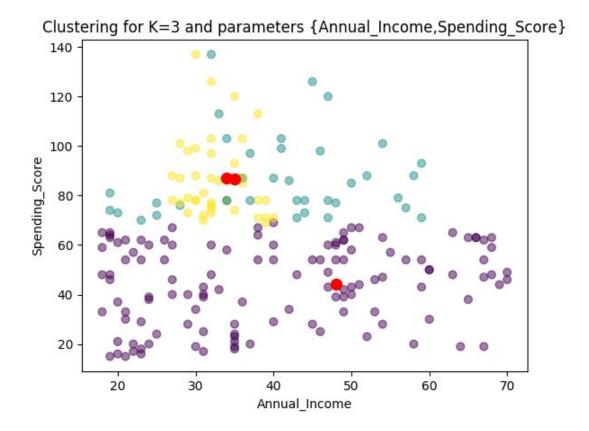


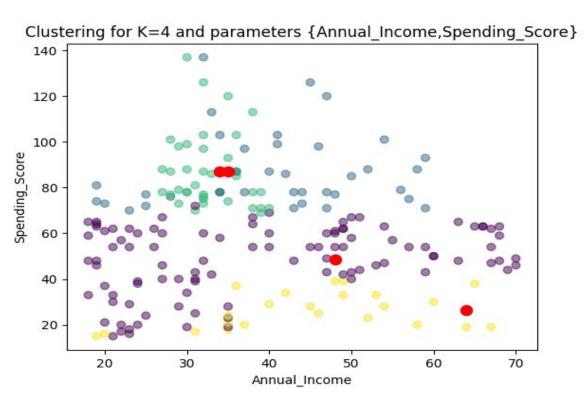


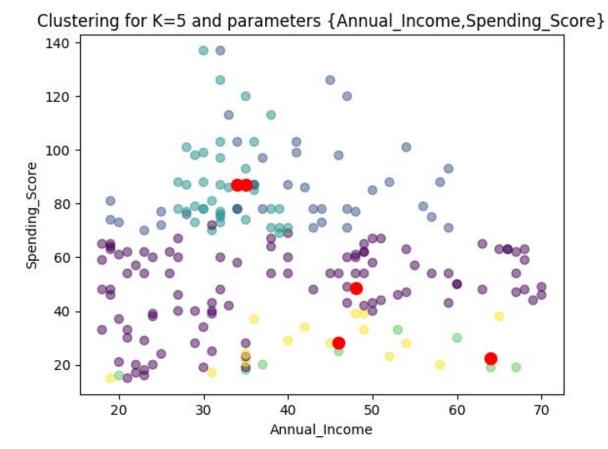












The 3 sets of parameters {Age, Annual Income}, {Annual Income, Spending Score}, {Age, Spending Score} were used to cluster the given data using K-means clustering algorithm with K = 3,4,5 for each set of parameters.

Observations:

- 1. Best set of parameters to cluster the given dataset was {Age, Annual Income}. For these parameters, the best clustering was observed to be for K = 5.
- 2. Clustering using {Annual Income, Spending Score} resulted in poorly generated clusters with few of the centroids mixed up.
- 3. In case of parameters {Age, Spending Score} parameters, the best clustering output was observed in case of K=4.