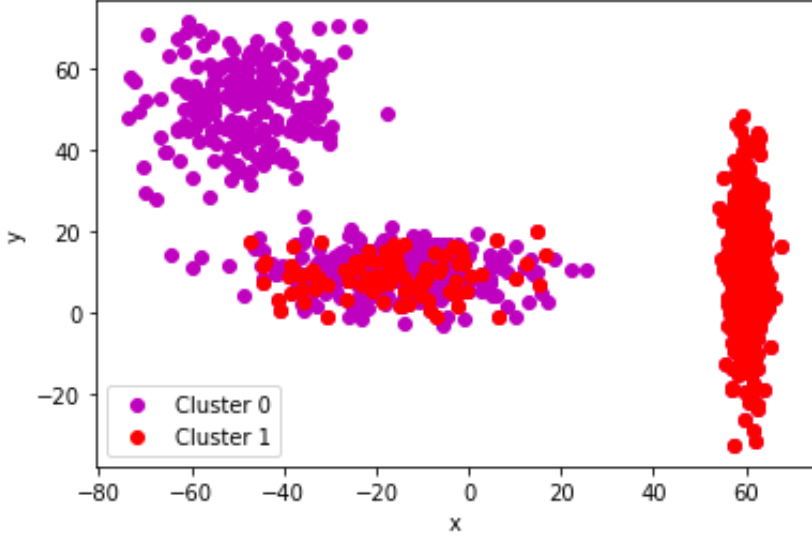
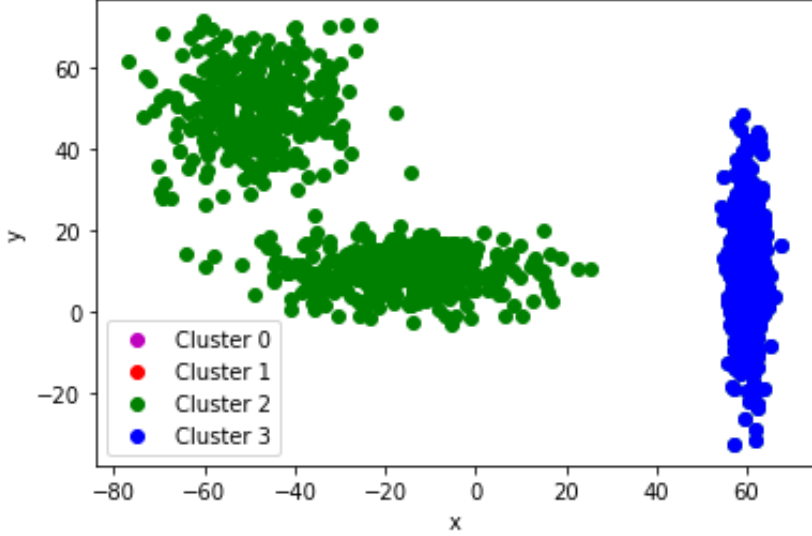
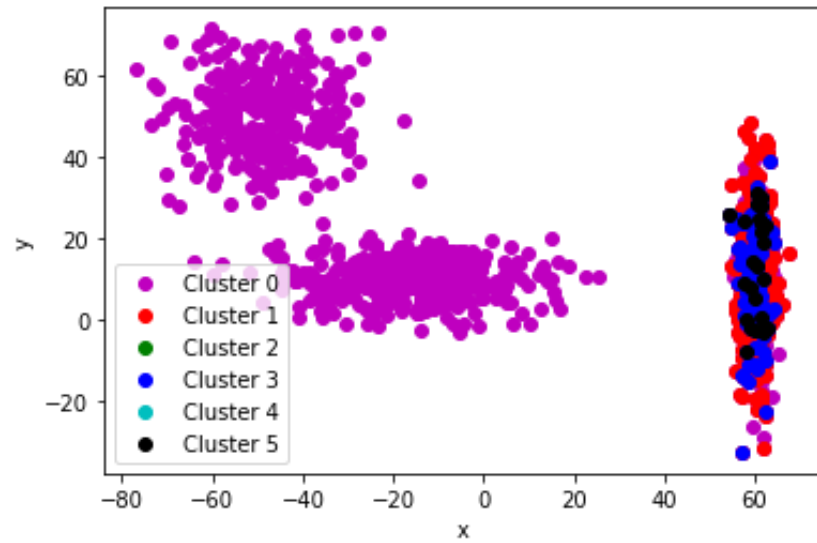


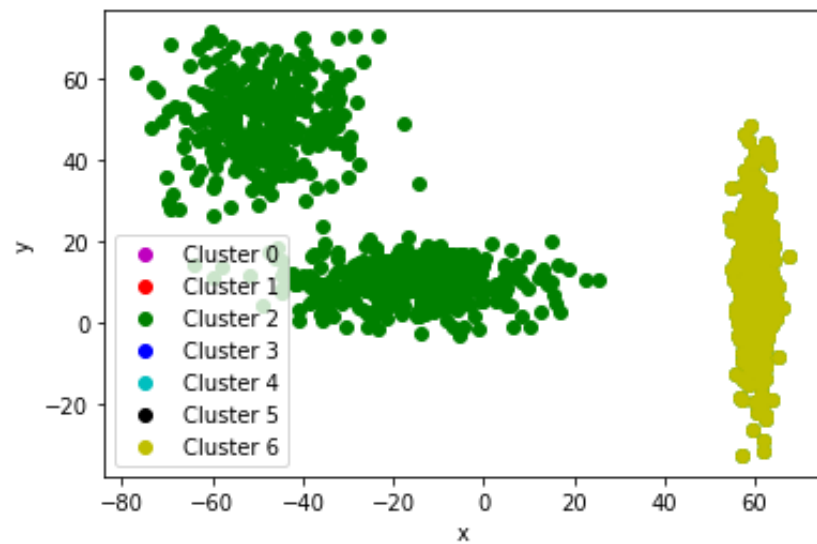
K-means Clustering:

K	plot
<p>2 Inertia = 114321.11823406321</p>	 <p>A scatter plot showing data points clustered into two groups. The x-axis ranges from -80 to 60, and the y-axis ranges from -20 to 60. Cluster 0 (purple) is located in the upper-left and center regions. Cluster 1 (red) is located in the lower-center and right regions. The legend indicates Cluster 0 (purple) and Cluster 1 (red).</p>
<p>4 Inertia = 97820.90298806338</p>	 <p>A scatter plot showing data points clustered into four groups. The x-axis ranges from -80 to 60, and the y-axis ranges from -20 to 60. Cluster 0 (purple) is located in the upper-left region. Cluster 1 (red) is located in the lower-center region. Cluster 2 (green) is located in the upper-center region. Cluster 3 (blue) is located in the right region. The legend indicates Cluster 0 (purple), Cluster 1 (red), Cluster 2 (green), and Cluster 3 (blue).</p>

6
Inertia =
93624.58398045354



7
Inertia =
92558.49560273535



Submitted By:
Syed Abu Ammar Muhammad Zarif
ID: 011202009
Course: CSE 3812
Section: A