**Task – 1:** Plot Linear Regression on the data\_1.csv (SAT Score and GPA). Also, print the R score of the model.

**Task – 2:** Plot Polynomial Regression on the data (SAT Score and GPA), Also Print the R-Squared score of the model and predict the future value at SAT Score 2100.

**Task – 3:** Apply Agglomerative Hierarchical clustering using python on Data-1.csv, show the dendrograms, and print a statement for the number of clusters.

**Task – 4:** Load the Wholesale customers data.csv implement Agglomerative Hierarchical clustering at threshold 5 and display array of clusters. Plot any two clusters.

**Task – 5:** Segment customers into different groups based on their shopping trends from shopping\_data. i.e Apply Agglomerative Hierarchical Clustering at threshold 125. Plot dendrograms and display segmented customers array. Print a statement for number of clusters.