Clustering
Note: Use jupyter notebook and explain each and every step you do. If you fail to explain you would not get any marks.

- You can use sklearn, numpy pandas, matplotlib
- Apply Kmean Clustering using sklearn
- Steps include
  - Read the data using pandas datafram
  - Do feature engineering and plot the data using PCA
  - Remove those features which are not contributing
  - Through Elbow plot determine the value of K using kmean
  - Apply kmean clustering
  - plot cluster using t-SNE plot

Bonus part:
Do detail Exploratory data analysis to get good features.
Apply Hierarchical Clustering

Help:
python, pandas numpy:
http://cs231n.github.io/python-numpy-tutorial/
https://www.learndatasci.com/tutorials/python-pandas-tutorial-complete-introduction-for-beginners/
Sklearn
https://scikit-learn.org/stable/modules/generated/sklearn.cluster.KMeans.html
https://scikit-learn.org/stable/auto_examples/cluster/plot_cluster_iris.html#sphx-glr-auto-examples-cluster-plot-cluster-iris-py