**KMeans Clustering**

**Ques 1:** Download datasets of your choices from the [UCI Machine Learning Repository](https://archive.ics.uci.edu/) or use any synthetic generated dataset, and perform the following tasks:

a) Visualize this dataset.

b) Use KMeans clustering algorithm to fit data.

c) Use any preprocessing on the dataset, and again perform Kmeans clustering.

d) Plot a graph (called elbow plot) between Sum of squared error and Values of K.

**Ques 2:** Use iris flower dataset from sklearn library and perform the following tasks:

a) Visualize this dataset.

b) Use KMeans clustering algorithm and ty to form clusters of flowers using petal width and length

features. Drop other two features for simplicity.

c) Use any preprocessing on the dataset, and again perform Kmeans clustering.

d) Plot a graph (called elbow plot) between Sum of squared error and Values of K.