*K Means Clustering*

*Clustering is a an unsupervised machine learning technique in which we put similar things in a groups*

*Higher Dimensions ke data keliye K-Means bahaut use hota hai.*

*Powerfull & kaam ka Algo hai yeah*

*Steps ->*

*Step1. Decide n clusters*

*Step2. Init centroids*

*Algorithm jo hai randomly koibhi n points ko centroid maanlega mtlb center.*

*( Algo ka backbone steps )*

*Step3. Assign Cluster*

*Step 4. Move Centroids*

*Un n centroids ke base pe saare points ko 1-1 center assign karenge*

*& hum har point ka teeno cluster nikalenge*

*Jo sbhse kamm value rhegi vo points vo specific cluster mai aajayenge*

*Step 5. Finish*

*Step repeats hote rhenge upar ke sbh bar bar until*

*Sbh data points cluster mai chale na jaaye.*