**Worksheet -3**

**Machine Learning subjective question**

13. What is the importance of clustering?

clusters are sets of data points that share similar attributes, and clustering are the methods that group these data points into different clusters based on their similarities.It is important because if we are working with large volumes of unstructured data,clustering helps to partition the data into some sort of logical groupings before attempting to analyse it.

14. How can I improve my clustering performance?

K-means clustering algorithm can be significantly improved by using a better initialization technique, and by repeating (re-starting) the algorithm