1. Explain the importance of Name node in Hadoop cluster

* It is often referred to as the Master while its slaves are the datanodes.
* It is often used to store the metadata information of HDFS and contains 2 information – fsimage and edits.
* This node is responsible for checking whether or not a file can be stored in hdfs, i.e it will have the information of how much space each data node contains! So when a file needs to be stored this name node will analyse its space whether the data nodes have enough space to store them .
* It keeps the directory tree of all files in the file system, and tracks where across the cluster the file data is kept.
* It follows a centralized structure so, there are chances for single point failure.
* The namenode is a single point failure for the HDFS Cluster.When the namenode goes down, the file system goes offline.

1. Practice the beginners commands for HDFS from the below link <https://acadgild.com/blog/hdfs-commands-for-beginners/>

SCREENSHOTS:













