1. Explain the importance of below 4 demons in job execution with minimum of 5 points
   1. **Name node**
      1. Master Node
      2. Data node sends Heartbeat
      3. Every 10th Heartbeat is Block Report
      4. Name Node Builds Metadata from Block Report
      5. If Name node is down, then HDFS is down
   2. **Data node**
      1. Slave Node
      2. Name node provides rack local nodes first
      3. Data nodes performs block creation, deletion and replication
      4. Data Nodes are responsible for serving read and write requests from the file system’s clients
      5. Data node sends Heartbeat and Block Reports periodically.
      6. Sometimes Data node daemon itself will need to read a block of data from HDFC.
   3. **Resource Manager**
      1. Master Node
      2. High availability
      3. Track the resources and assigning the job
      4. Resource Manager communicate with Name nod e to get the available Data nodes
      5. Get information about the cluster - status, metrics, scheduler information, nodes information and applications.
   4. **Node manager**
      1. Slave Node
      2. Take the instructions from Resource Manager
      3. monitor resource usage (CPU, memory, disk, network) and reporting the same to the Resource Manager/Scheduler
      4. Periodically, it sends an heartbeat to the Resource Manager
      5. All resource utilization on particular node taken by Node Manager.