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- Q1.** Explain the difference between sequential access and random access file processing with [5 M] an example for each.
- Q2.** What is the primary role of a NameNode in HDFS? [3 M]
- Q3.** Describe the concept of 'Blocks' in the context of HDFS. [3 M]
- Q4.** What are Command Line Arguments in C programming and how are they accessed? [5 M]
- Q5.** Briefly explain the purpose of HDFS Federation. [2 M]
- Q6.** What is a 'Datanode' in HDFS and what is its main responsibility? [3 M]
- Q7.** Explain what is meant by 'HDFS High-Availability'. [3 M]
- Q8.** Describe the basic structure of a C program that uses file input/output. [2 M]
- Q9.** What is the significance of the ` argc` and `argv` parameters in the `main` function when dealing with command-line arguments? [2 M]
- Q10.** Explain the 'Coherency Model' in HDFS and its implications. [2 M]