

- Q1.** Explain the difference between sequential access and random access file processing with an example for each. **[5 M]**
- 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]**