19 Lecture - CS201

Important Subjective

1. What is a Sequential Access File?

Answer: A Sequential Access File is a data file where data is stored in a sequential manner and can only be accessed in a particular order.

2. How does a Sequential Access File differ from a Random Access File?

Answer: A Sequential Access File can only be accessed in a particular order, while a Random Access File allows for random access to data.

3. What are the advantages of using Sequential Access Files?

Answer: Advantages of using Sequential Access Files include efficient handling of large amounts of data, simplicity in implementation, and low overhead.

4. What are the disadvantages of using Sequential Access Files?

Answer: Disadvantages of using Sequential Access Files include the inability to access data randomly, inefficiency in handling small data sets, and unsuitability for real-time processing.

5. What type of applications are Sequential Access Files commonly used in?

Answer: Sequential Access Files are commonly used in batch processing applications such as accounting, payroll, and inventory management systems.

6. How is data written to a Sequential Access File?

Answer: Data is written to a Sequential Access File in a particular order, one record at a time.

7. How is data read from a Sequential Access File?

Answer: Data is read from a Sequential Access File in a particular order, one record at a time.

8. Can a Sequential Access File be modified after it has been created?

Answer: Yes, a Sequential Access File can be modified by adding or deleting records, but the order of the records cannot be changed.

9. What are some common file formats used for Sequential Access Files?

Answer: Common file formats used for Sequential Access Files include text files, CSV files, and log files.

10. What are some alternative file storage methods to Sequential Access Files?

Answer: Alternative file storage methods include Random Access Files, Indexed Files, and Relational Databases.