

35 Lecture - CS403

Important Subjective

1. **What is file organization?**

Answer: File organization refers to the way data is arranged and stored in a computer system.

What are the advantages of sequential file organization?

Answer: Sequential file organization is simple and requires the least amount of storage space.

What are the disadvantages of sequential file organization?

Answer: Sequential file organization is not suitable for storing data that needs to be accessed randomly.

What is direct file organization?

Answer: Direct file organization allows data to be accessed using its physical location on the storage medium.

What is indexed file organization?

Answer: Indexed file organization allows data to be accessed using a key value.

What are the advantages of indexed file organization?

Answer: Indexed file organization allows for faster access to data and supports both sequential and random access.

What are the disadvantages of indexed file organization?

Answer: Indexed file organization requires more storage space compared to sequential file organization.

What is hashed file organization?

Answer: Hashed file organization allows for faster access to data by using a hash function.

What are the advantages of hashed file organization?

Answer: Hashed file organization provides the fastest access to data and requires less storage space compared to indexed file organization.

What are the disadvantages of hashed file organization?

Answer: Hashed file organization is more complex and requires additional processing time to compute hash values.