

38 Lecture - CS403

Important Mcqs

1. **What are ordered indices?**

- A. A type of index used to store data in random order.
- B. A type of index used to store data in a specific order based on one or more columns.
- C. A type of index used only for range queries.
- D. A type of index that is not commonly used in databases.

Answer: B

Which data structure is commonly used to implement ordered indices?

- A. Hash table
- B. Linked list
- C. B-tree
- D. Queue

Answer: C

What is the primary benefit of using an ordered index?

- A. Improved data consistency
- B. Reduced storage requirements
- C. Faster data retrieval based on specific column values
- D. Improved data security

Answer: C

Can multiple ordered indices be created on the same table in a database?

- A. Yes
- B. No

Answer: A

What is a clustered index in a database?

- A. An index used to store data in random order
- B. An index used to store data in a specific order based on one or more columns
- C. An index used only for range queries
- D. An index that is not commonly used in databases

Answer: B

What is the difference between a primary key index and a clustered index?

- A. There is no difference.
- B. A primary key index includes only unique values, while a clustered index can include duplicates.
- C. A primary key index is used to ensure data consistency and integrity, while a clustered index is used for fast retrieval of data in a specific order.
- D. A primary key index is used for range queries, while a clustered index is used for specific value queries.

Answer: C

What is the downside of using too many ordered indices in a database?

- A. Increased storage requirements

- B. Slower data retrieval performance
- C. Increased data inconsistency
- D. Decreased data security

Answer: A

What is a composite index in a database?

- A. An index used to store data in random order
- B. An index used to store data in a specific order based on one column only
- C. An index used to store data in a specific order based on multiple columns
- D. An index used only for range queries

Answer: C

Can an ordered index be used for sorting data?

- A. Yes
- B. No

Answer: A

What is the most common type of data structure used to implement ordered indices?

- A. Hash table
- B. Linked list
- C. B-tree
- D. Queue

Answer: C