

# 40 Lecture - CS403

## Important Mcqs

### 1. What is a view in a database?

- a) A physical table
- b) A virtual table
- c) A temporary table
- d) A backup table

Answer: b) A virtual table

### How is a view created in a database?

- a) By defining a CREATE TABLE statement
- b) By defining a SELECT statement as a table
- c) By defining a DELETE statement as a table
- d) By defining an ALTER statement as a table

Answer: b) By defining a SELECT statement as a table

### What is the purpose of a view in a database?

- a) To display data from multiple tables
- b) To provide an additional layer of security
- c) To simplify complex queries
- d) All of the above

Answer: d) All of the above

### Can a view be modified in a database?

- a) Yes, using the ALTER VIEW statement
- b) No, once it has been created it cannot be modified
- c) Yes, using the DROP VIEW statement
- d) No, it can only be dropped and recreated

Answer: a) Yes, using the ALTER VIEW statement

### How does a view differ from a table in a database?

- a) A view is a physical table, while a table is a virtual table
- b) A view is a virtual table, while a table is a physical table
- c) A view can be modified, while a table cannot
- d) A view is a backup of a table

Answer: b) A view is a virtual table, while a table is a physical table

### Can a view be used to enforce data constraints in a database?

- a) Yes, using the CHECK constraint
- b) No, views cannot enforce data constraints
- c) Yes, using the FOREIGN KEY constraint
- d) No, only tables can enforce data constraints

Answer: b) No, views cannot enforce data constraints

### How does a view improve security in a database?

- a) By allowing users to access only the data they are authorized to see

- b) By encrypting all data in the database
- c) By preventing users from accessing any data in the database
- d) By providing a backup of all data in the database

**Answer: a) By allowing users to access only the data they are authorized to see**

**Can a view be used in a JOIN operation in a database?**

- a) Yes, views can be used in JOIN operations
- b) No, views cannot be used in JOIN operations
- c) Only if the view is created from a single table
- d) Only if the view is created from multiple tables

**Answer: a) Yes, views can be used in JOIN operations**

**How does a view affect performance in a database?**

- a) Views can improve performance by simplifying complex queries
- b) Views can degrade performance by adding an additional layer of complexity
- c) Views have no impact on performance
- d) Views can improve performance by speeding up data retrieval

**Answer: b) Views can degrade performance by adding an additional layer of complexity**

**How is a view dropped in a database?**

- a) By using the DROP TABLE statement
- b) By using the DELETE VIEW statement
- c) By using the ALTER VIEW statement
- d) By using the DROP VIEW statement

**Answer: d) By using the DROP VIEW statement**