

1. Which SQL command is used to create a new table in a database?

- a) INSERT
- b) CREATE TABLE
- c) UPDATE
- d) ALTER

Answer: b) CREATE TABLE

Explanation: The CREATE TABLE command is used to create a new table in a database. It specifies the table name and its columns along with their data types and constraints.

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2. What SQL command is used to remove an existing table from a database?

- a) DELETE
- b) DROP TABLE
- c) TRUNCATE TABLE
- d) REMOVE

Answer: b) DROP TABLE

Explanation: The DROP TABLE command is used to remove an existing table along with all its data and structure from a database.

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3. In SQL, what command is used to modify an existing table structure?

- a) MODIFY TABLE
- b) ALTER TABLE
- c) UPDATE TABLE
- d) CHANGE TABLE

Answer: b) ALTER TABLE

Explanation: The ALTER TABLE command is used to modify the structure of an existing table in the database, such as adding, modifying, or dropping columns.

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4. Which SQL constraint is used to uniquely identify each record in a table?

- a) PRIMARY KEY
- b) UNIQUE
- c) FOREIGN KEY
- d) INDEX

Answer: a) PRIMARY KEY

Explanation: A PRIMARY KEY constraint is used to uniquely identify each record in a table. It

ensures that each row in the table is uniquely identifiable.

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5. What SQL constraint is used to enforce referential integrity between two tables?

- a) PRIMARY KEY
- b) FOREIGN KEY
- c) UNIQUE
- d) INDEX

Answer: b) FOREIGN KEY

Explanation: A FOREIGN KEY constraint is used to enforce referential integrity between two tables by ensuring that the values in a column match the values in another table's column.

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6. Which SQL command is used to remove all rows from a table without deleting its structure?

- a) DELETE
- b) TRUNCATE TABLE
- c) DROP TABLE
- d) REMOVE

Answer: b) TRUNCATE TABLE

Explanation: The TRUNCATE TABLE command is used to remove all rows from a table without deleting the table structure itself. It is faster and uses fewer system resources compared to DELETE.

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7. In SQL, what is used to improve the retrieval performance of a database table?

- a) Primary Key
- b) Foreign Key
- c) Index
- d) Cursor

Answer: c) Index

Explanation: An index is used to improve the retrieval performance of a database table by providing quick access to rows based on the indexed columns.

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8. Which SQL construct is used to retrieve and manipulate data row by row?

- a) Primary Key
- b) Foreign Key

- c) Index
- d) Cursor

Answer: d) Cursor

Explanation: A cursor is used in SQL to retrieve and manipulate data row by row, allowing for more granular control over data processing operations.

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9. What SQL constraint ensures that all values in a column are unique?

- a) PRIMARY KEY
- b) FOREIGN KEY
- c) UNIQUE
- d) INDEX

Answer: c) UNIQUE

Explanation: The UNIQUE constraint ensures that all values in a column or a combination of columns are unique, thus preventing duplicate entries in the table.

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10. Which SQL command is used to add an index to a table?

- a) CREATE INDEX
- b) ADD INDEX
- c) INDEX TABLE
- d) ALTER INDEX

Answer: a) CREATE INDEX

Explanation: The CREATE INDEX command is used to add an index to a table, which improves the performance of data retrieval operations involving the indexed columns.