

SQL WORKSHEET - 7

Q1 and Q2 have one or more correct answer. Choose all the correct option to answer your question:

1. The primary key is selected from the?

- a. Composite keys
- b. Candidate keys
- c. Foreign keys
- d. Determinants

Answer: b. Candidate keys

2. Which is/are correct statements about primary key of a table?

- a. Primary keys can contain NULL values.
- b. Primary keys cannot contain NULL values.
- c. A table can have only one primary key with single or multiple fields
- d. A table can have multiple primary keys with single or multiple fields

Answer: b. Primary keys cannot contain NULL values **and** c. A table can have only one primary key with single or multiple fields

Q3 to Q10 have only one correct answer. Choose the correct option to answer your question.

3. Which SQL command is used to insert a row in a table?

- a. Select
- b. Create
- c. Insert
- d. Drop

Answer: c. Insert

4. Which one of the following sorts rows in SQL?

- a. SORTBY

- b. ALIGNBY
- c. ORDERBY
- d. GROUPBY

Answer: c. ORDERBY

5. The SQL statement that queries or reads data from a table is?

- a. QUERY
- b. READ
- c. SELECT
- d. QUERY

Answer: c. SELECT

6. Which normal form is considered adequate for relational database design?

- a. 1NF
- b. 2NF
- c. 3NF
- d. 4NF

Answer: c. 3NF

7. SQL can be used to:

- a. Create database structures only
- b. Modify database data only
- c. All of the above can be done by SQL
- d. Query database data only

Answer: d. Query database data only

8. SQL query and modification commands make up

- a. DDL
- b. DML
- c. HTML
- d. XML

Answer: b. DML

9. The result of a SQL SELECT statement is a(n).

- a. File
- b. Table
- c. Report
- d. Form

Answer: b. Table

10. Second normal form should meet all the rules for

- a. 1NF
- b. 2NF
- c. 3NF
- d. 4NF

Answer: a 1NF

Q10 to Q15 are subjective answer type questions, Answer them briefly.

11. What are joins in SQL?

Answer: Joins in SQL are used to combine data from multiple tables into a single result set. They allow you to retrieve data from two or more tables based on a related column between them.

12. What are the different types of joins in SQL?

Answer: The different types of joins in SQL include inner join, left join, right join, and full outer join.

13. What is an SQL server?

Answer: SQL Server is a relational database management system developed by Microsoft. It is used to manage and store data for a wide variety of applications, and it provides tools for data warehousing and business intelligence.

14. What is primary key in SQL?

Answer: A primary key in SQL is a unique identifier for each row in a table. It is used to ensure the integrity of the data and to establish relationships between tables in a database. Primary keys are typically made up of one or more columns and must contain unique values.

15. What is ETL in SQL?

Answer: ETL stands for Extract, Transform, Load. It refers to the process of extracting data from various sources, transforming it to fit the structure of the target database, and loading it into the target database. This process is commonly used in data warehousing and business intelligence to move data from various systems into a central repository for analysis and reporting.
