

WORKSHEET 7 SQL

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

ANS- 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.

ANS- Primary keys cannot contain NULL values...

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

ANS- Insert

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

- A. SORTBY
- B. ALIGNBY
- C. ORDERBY
- D. GROUPBY

ANS- ALIGNBY

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

- A. QUERY
- B. READ
- C. SELECT
- D. QUERY

ANS- QUERY

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

- A. 1NF
- B. 2NF
- C. 3NF
- D. 4NF

ANS- 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

ANS- Query database data only

8. SQL query and modification commands make up

- A. DDL
- B. DML
- C. HTML
- D. XML

ANS- DML

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

- A. File
- B. Table
- C. Report
- D. Form

ANS- TABLE

10. Second normal form should meet all the rules for

- A. 1 NF
- B. 2 NF
- C. 3 NF
- D. 4 NF

ANS- 2NF

Q11 to Q15 are subjective answer type questions, Answer them briefly.

11. What are joins in SQL?

ANS- JOINS in SQL are **commands which are used to combine rows from two or more tables, based on a related column between those tables**. There are predominantly used when a user is trying to extract data from tables which have one-to-many or many-to-many relationships between them

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

ANS- (INNER) JOIN : Returns records that have matching values in both tables.

LEFT (OUTER) JOIN : Returns all records from the left table, and the matched records from the right table.

RIGHT (OUTER) JOIN : Returns all records from the right table, and the matched records from the left table.

13. What is SQL Server?

ANS- SQL Server is a relational database management system, or RDBMS, developed and marketed by Microsoft.

Similar to other RDBMS software, SQL Server is built on top of [SQL](#), a standard programming language for interacting with relational databases. SQL Server is tied to Transact-SQL, or T-SQL, the Microsoft's implementation of SQL that adds a set of proprietary programming constructs.

14. What is primary key in SQL?

ANS- The PRIMARY KEY constraint uniquely identifies each record in a table. Primary keys must contain UNIQUE values, and cannot contain NULL values. A table can have only ONE primary key; and in the table, this primary key can consist of single or multiple columns (fields).

15. What is ETL in SQL?

ANS- ETL, which stands for “extract, transform, load,” are the three processes that, in combination, move data from one database, multiple databases, or other sources to a unified repository—typically a data warehouse.