

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
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.

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
4. Which one of the following sorts rows in SQL?
 - A. SORTBY
 - B. ALIGNBY
 - C. ORDERBY**
 - D. GROUPBY
5. The SQL statement that queries or reads data from a table is
 - A. QUERY
 - B. READ
 - C. SELECT**
 - D. QUERY
6. Which normal form is considered adequate for relational database design?
 - A. 1NF
 - B. 2NF
 - C. 3NF**
 - D. 4NF
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

8. SQL query and modification commands make up
- A. DDL
 - B. DML**
 - C. HTML
 - D. XML
9. The result of a SQL SELECT statement is a(n).
- A. File
 - B. Table**
 - C. Report
 - D. Form
10. Second normal form should meet all the rules for
- A. 1 NF**
 - B. 2 NF
 - C. 3 NF
 - D. 4 NF

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

11. What are joins in SQL?

A SQL Join statement is used to combine data or rows from two or more tables based on a common field between them. Different types of Joins are:

- INNER JOIN
- LEFT JOIN
- RIGHT JOIN
- FULL JOIN

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

Types of Joins in SQL

- Inner Join
- Left Join
- Right Join
- Full Join

13. What is SQL Server?

SQL Server is Microsoft's relational database management system (RDBMS). It is a full-featured database primarily designed to compete against competitors Oracle Database (DB) and MySQL.

Like all major RDBMS, SQL Server supports ANSI SQL, the standard SQL language. However, SQL Server also contains T-SQL, its own SQL implementation. SQL Server Management Studio (SSMS) is SQL Server's main interface tool, and it supports 32-bit and 64-bit environments.

SQL Server is sometimes referred to as MSSQL and Microsoft SQL Server.

14. What is primary key in SQL?

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.

15. What is ETL in SQL?

ETL stands for Extract, Transform and Load, which is a process used to collect data from various sources, transform the data depending on business rules/needs and load the data into a destination database. The need to use ETL arises from the fact that in modern computing business data resides in multiple locations and in many incompatible formats. For example business data might be stored on the file system in various formats (Word docs, PDF, spreadsheets, plain text, etc.) or can be stored as email files, or can be kept in a various database servers like MS SQL Server, Oracle and MySQL for example. Handling all this business information efficiently is a great challenge and ETL plays an important role in solving this problem.