

## 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**

**ANS.** B. Candidate keys

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

**ANS.** B. Primary keys cannot contain NULL values...

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?**

**ANS.** C. Insert

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

**ANS.** C. ORDERBY

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

**ANS.** C. SELECT

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

**ANS.** C. 3NF

**7. SQL can be used to**

**ANS.** C. All of the above can be done by SQL

**8. SQL query and modification commands make up**

**ANS.** B. DML

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

**ANS.** B. Table

**10. Second normal form should meet all the rules for**

**ANS.** A. 1 NF

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

**11. What are joins in SQL?**

**ANS.** SQL Join are used to combine data from two or more tables into a single result set. They allow you to retrieve data that spread across multiple table based on the relationship between them.

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

**ANS.** There are several types of joins un SQL

1. Inner Join
2. Left Join (Left Outer Join)
3. Right Join (Right Outer Join)
4. Full Outer Join

**13. What is SQL Server?**

**ANS.** SQL Server is a relational database management system (RDBMS) developed by Microsoft. It is designed to store and manage large amounts of data, allowing users to retrieve and manipulate information in a secure and efficient manner. SQL Server supports multiple features such as data warehousing, business intelligence, and advanced analytics. It uses the SQL (Structured Query Language) to manage and manipulate data, and provides tools and services to monitor and optimize the performance of databases. SQL Server is widely used in various industries, including finance, healthcare, manufacturing, and retail, to name a few.

**14. What is primary key in SQL?**

**ANS.** A primary key is a field in a table which uniquely identifies each row/record in a database table. Primary keys must contain unique values. A primary key column cannot have NULL values.

A table can have only one primary key, which may consist of single or multiple fields. When multiple fields are used as a primary key, they are called a composite key.

If a table has a primary key defined on any field(s), then you cannot have two records having the same value of that field(s).

### **15. What is ETL in SQL?**

**ANS.** ETL stands for Extract, Transform, Load. It is a process used in data warehousing and business intelligence to extract data from various sources, transform it into a format that is suitable for analysis, and load it into a target database or data warehouse.

The ETL process involves three main stages:

1. Extraction
2. Transformation
3. Loading