WORKSHEET - 6 SQL

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

1. Which of the following are TCL commands?
   A. Commit
   B. Select
   C. Rollback
   D. Savepoint

Answer: a) Commit

  c) Rollback

  d) Savepoint

2. Which of the following are DDL commands?
   A. Create
   B. Select
   C. Drop
   D. Alter

Answer: a) Create

  c) Drop

  d) Alter

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

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3. Which of the following is a legal expression in SQL?

A. SELECT NULL FROM SALES;

B. SELECT NAME FROM SALES;

C. SELECT * FROM SALES WHEN PRICE = NULL;

D. SELECT # FROM SALES;

Answer: d) SELECT # FROM SALES;

4. DCL provides commands to perform actions like-

A. Change the structure of Tables

B. Insert, Update or Delete Records and Values

C. Authorizing Access and other control over Database

D. None of the above

Answer: c) Authorizing Access and other control over Database

5. Which of the following should be enclosed in double quotes?

A. Dates

B. Column Alias

C. String

D. All of the mentioned

Answer: c) String

6. Which of the following command makes the updates performed by the transaction permanent in the database?

A. ROLLBACK

B. COMMIT

C. TRUNCATE

D. DELETE

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Answer: b) Commit

7. A subquery in an SQL Select statement is enclosed in:

    A. Parenthesis - (...).

    B. brackets - [...].

    C. CAPITAL LETTERS.

    D. braces - {...}.

Answer: a) Parenthesis - (...)

8. The result of a SQL SELECT statement is a :-

    A. FILE

    B. REPORT

    C. TABLE

    D. FORM ASSIGNMENT

Answer: c) TABLE

9. Which of the following do you need to consider when you make a table in a SQL?

    A. Data types

    B. Primary keys

    C. Default values

    D. All of the mentioned

Answer: d) All of the mentioned

10. If you don't specify ASC and DESC after a SQL ORDER BY clause, the following is used by____?

    A. ASC

B. DESC

C. There is no default value

D. None of the mentioned

Answer: a) ASC

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

11. What is denormalization?

Answer: Denormalization is a strategy used on a previously-normalized database to increase performance. In computing, denormalization is the process of trying to improve the read performance of a database, at the expense of losing some write performance, by adding redundant copies of data or by grouping data.

12. What is a database cursor?

Answer: A database cursor is an identifier associated with a group of rows. It is, in a sense, a pointer to the current row in a buffer. You must use a cursor in the following cases: Statements that return more than one row of data from the database server: A SELECT statement requires a select cursor.

13. What are the different types of the queries?

Answer: Five types of SQL queries are as follows:

1) Data Definition Language (DDL)
2) Data Manipulation Language (DML)
3) Data Control Language(DCL)
4) Transaction Control Language(TCL)

5) Data Query Language (DQL)

14. Define constraint?

Answer: SQL constraints are used to specify rules for the data in a table. Constraints are used to limit the type of data that can go into a table. This ensures the accuracy and reliability of the data in the table.

15. What is auto increment?

Answer: Auto-increment allows a unique number to be generated automatically when a new record is inserted into a table. Often this is the primary key field that we would like to be created automatically every time a new record is inserted.