

**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.**

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:- SELECT \* FROM SALES WHEN PRICE = NULL;**

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:- B. Column Alias**

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

**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

**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 database optimization technique in which we add redundant data to one or more tables. This can help us avoid costly joins in a relational database. Note that denormalization does not mean 'reversing normalization' or 'not to normalize'. It is an optimization technique that is applied after normalization. Basically, The process of taking a normalized schema and making it non-normalized is called denormalization, and designers use it to tune the performance of systems to support time-critical operations.

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.

13. What are the different types of the queries?

Answer: These SQL commands are mainly categorized into five categories as:

DDL – Data Definition Language.

DQL – Data Query Language.

DML – Data Manipulation Language.

DCL – Data Control Language.

TCL – Transaction Control Language.

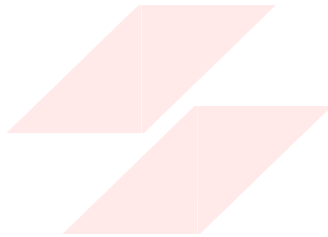
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14. Define constraint?

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. If there is any violation between the constraint and the data action, the action is aborted.

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.



**FLIP ROBO**

**WUOLAH**