**FLIP ROBO**

# 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, C & D

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

**Answer:** A, C & D

**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:** B. SELECT NAME 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:** 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 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:** **Database Cursor** is a Temporary Memory or Temporary Work Station. It is Allocated by Database Server at the Time of Performing DML operations on Table by User. Cursors are used to store Database Tables.

*13. **What are the different types of the queries?***

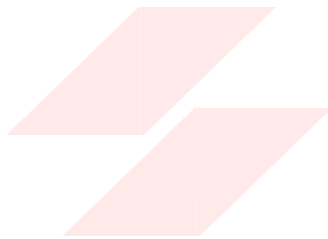**Answer:** Five types of SQL queries are:
   i.   Data Definition Language (DDL)
   ii.   Data Manipulation Language (DML)
   iii.   Data Control Language (DCL)
   iv.   Transaction Control Language (TCL) and,
   v.   Data Query Language (DQL)

*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 when a new record is inserted into a table.