

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

Ans: 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;

Ans: 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

Ans: 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

Ans: B. Coloumn 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

Ans: B. Commit
7. A subquery in an SQL Select statement is enclosed in:
 - A. Parenthesis - (...).
 - B. brackets - [...].
 - C. CAPITAL LETTERS.
 - D. braces - {...}.

Ans: A. Parenmthesis(...)
8. The result of a SQL SELECT statement is a :-
 - A. FILE
 - B. REPORT
 - C. TABLE
 - D. FORM

Ans: 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
- Ans: 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
- Ans: A. ASC

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

- 11. What is denormalization?
- 12. What is a database cursor?
- 13. What are the different types of the queries?
- 14. Define constraint?
- 15. What is auto increment?

Ans -11: Denormalization is the process of adding precomputed redundant data to an otherwise normalized relational database to improve read performance of the database.



Ans 12: Cursor is a Temporary Memory or Temporary Work Station. It is Allocated by Database Server at the Time of Performing DML(Data Manipulation Language) operations on Table by User. Cursors are used to store Database Tables. There are 2 types of Cursors: Implicit Cursors, and Explicit Cursors. These are explained as following below.

Implicit Cursors:

Implicit Cursors are also known as Default Cursors of SQL SERVER. These Cursors are allocated by SQL SERVER when the user performs DML operations.

Explicit Cursors :

Explicit Cursors are Created by Users whenever the user requires them. Explicit Cursors are used for Fetching data from Table in Row-By-Row Manner.

Ans 13: Some of The Most Important SQL Commands

SELECT - extracts data from a database

UPDATE - updates data in a database

DELETE - deletes data from a database

INSERT INTO - inserts new data into a database

CREATE DATABASE - creates a new database

ALTER DATABASE - modifies a database

CREATE TABLE - creates a new table

ALTER TABLE - modifies a table

DROP TABLE - deletes a table

CREATE INDEX - creates an index (search key)

DROP INDEX - deletes an index

Ans 14: 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.

Ans 15: 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.
