

WORKSHEET 1 SQL

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

1. Which of the following is/are DDL commands in SQL?
 - A) Create
 - C) Delete
 - B) Update
 - D) ALTER

Answer :- A) create, C) Delete, D) ALTER

2. Which of the following is/are DML commands in SQL?
 - A) Update
 - C) Select
 - B) Delete
 - D) Drop

Answer :- A) Update , B) Delete , C) Select

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

3. Full form of SQL is:
 - A) Strut querying language
 - C) Simple Query Language
 - B) Structured Query Language
 - D) None of them

Answer :- B) Structured Query Language

4. Full form of DDL is:
 - A) Descriptive Designed Language
 - C) Data Descriptive Language
 - B) Data Definition Language
 - D) None of the above.

Answer : - B) Data Definition Language.

5. DML is:
 - A) Data Manipulation Language
 - C) Data Modeling Language
 - B) Data Management Language
 - D) None of these

Answer :- A) Data Manipulation Language

6. Which of the following statements can be used to create a table with column B int type and C float type?
 - A) Table A (B int, C float)
 - C) Create Table A (B int,C float)
 - B) Create A (b int, Cfloat)
 - D) All of them

Answer :- C) Create Table A (B int,C float)

7. Which of the following statements can be used to add a column D (float type) to the table A created above?
 - A) Table A (D float)
 - C) Table A(B int, C float, D float)
 - B) Alter Table A ADD COLUMN D float
 - D) None of them

Answer :- B) Alter Table A ADD COLUMN D float

8. Which of the following statements can be used to drop the column added in the above question?
 - A) Table A Drop D
 - C) Delete D from A
 - B) Alter Table A Drop Column D
 - D) None of them

Answer :-B) Alter Table A drop column D

9. Which of the following statements can be used to change the data type (from float to int) of the column Dof table A created in above questions?

- A) Table A (D float int)
- B) Alter Table A Alter Column D int
- C) Alter Table A D float int
- D) Alter table A Column D float to int

Answer :- B) Alter Table A Alter Column int

10. Suppose we want to make Column B of Table A as primary key of the table. By which of the following statements we can do it?

- A) Alter Table A Add Constraint Primary Key B
- B) Alter table (B primary key)
- C) Alter Table A Add Primary key B
- D) None of them

Answer :- Alter TABLE A Add primary key B

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

11. What is data-warehouse?

Answer :- A data warehouse is a large collection of data that is used for reporting and analysis. It is designed to support the efficient querying and analysis of data, and is typically used for business intelligence and decision support.

12. What is the difference between OLTP VS OLAP?

Answer:- OLTP (Online Transaction Processing) is a type of database system that is optimized for handling large numbers of short, transactional queries. OLAP (Online Analytical Processing) is a type of database system that is optimized for handling complex, multidimensional queries for data analysis and reporting.

13. What are the various characteristics of data-warehouse?

Answer :- Characteristics of a data warehouse include: large size, historical data, subject-oriented, non-volatile, and integrated.

14. What is Star-Schema??

Answer :- Star-Schema is a type of database schema where a central fact table is connected to a number of dimension tables. This design allows for efficient querying of the data and simplifies the database structure.

15. What do you mean by SETL?

Answer :- SETL (SET Language) is a programming language designed for data manipulation and management. It is a high-level, declarative language that is well-suited for tasks such as data cleaning, transformation, and integration.
