 ASSIGNMENT

WORKSHEET 1 SQL, Submitted by Faheem Ahmad

# 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?
   1. Create B) Update

C) Delete D) ALTER

Answer: A & D

1. Which of the following is/are DML commands in SQL?
   1. Update B) Delete

C) Select D) Drop

Answer: A, B and C

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

1. Full form of SQL is:
   1. Strut querying language B) Structured Query Language

C) Simple Query Language D) None of them

Answer: B

1. Full form of DDL is:
   1. Descriptive Designed Language B) Data Definition Language

C) Data Descriptive Language D) None of the above

Answer: B

1. DML is:
   1. Data Manipulation Language B) Data Management Language

C) Data Modeling Language D) None of these

Answer: A

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

C) Create Table A (B int,C float) D) All of them

Answer: C

1. Which of the following statements can be used to add a column D (float type) to the table A created above?
   1. Table A ( D float) B) Alter Table A ADD COLUMN D float

C) Table A( B int, C float, D float) D) None of them

Answer: B

1. Which of the following statements can be used to drop the column added in the above question?
   1. Table A Drop D B) Alter Table A Drop Column D

C) Delete D from A D) None of them

Answer: B

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

1. 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?
   1. 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: C

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

1. What is data-warehouse?

Answer: Data-warehouse is a system used for reporting and data analysis and is considered as a core component of business intelligence.

1. What is the difference between OLTP VS OLAP?

Answer: Online transaction processing (OLTP) captures, stores, and processes data from transactions in real time. Online analytical processing (OLAP) uses complex queries to analyze aggregated historical data from OLTP systems.

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

Answer: The various characteristics of data-warehouse are as follows:-

1. Subject Oriented
2. Integrated
3. Time-variant
4. Non-volatile
5. What is Star-Schema??

Answer: A star schema is a data warehousing architecture model where one fact table references multiple dimension tables, which, when viewed as a diagram, looks like a star with the fact table in the center and the dimension tables radiating from it.

1. What do you mean by SETL?

Answer: SETL (SET Language) is a very high-level programming language based on the mathematical theory of sets.