 ASSIGNMENT

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?
   1. **Create** B) Update

C) Delete D) **ALTER**

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

**C) Select** D) Drop

# 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

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

C) Data Descriptive Language D) None of the above.

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

C) Data Modeling Language D) None of these

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

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

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

1. 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?
   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

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

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

1. What is data-warehouse?

* A data warehouse is a large collection of business data used to help an organization make decisions. The concept of the data warehouse has existed since the 1980s, when it was developed to help transition data from merely powering operations to fueling decision support systems that reveal business intelligence

1. What is the difference between OLTP VS OLAP?

* OLTP is a transactional processing while OLAP is an analytical processing system
* The basic difference between OLTP and OLAP is that OLTP is an online database modifying system, whereas, OLAP is an online database query answering system.

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

* Some data is denormalized for simplification and to improve performance.
* Large amounts of historical data are used.
* Queries often retrieve large amounts of data.
* Both planned and ad hoc queries are common.
* The data load is controlled.

1. What is Star-Schema??

* The star schema separates business process data into facts, which hold the measurable, quantitative data about a business, and dimensions which are descriptive attributes related to fact data.
* Examples of fact data include sales price, sale quantity, and time, distance, speed and weight measurements. Related dimension attribute examples include product models, product colors, product sizes, geographic locations, and salesperson names.
* Star schemas are denormalized, meaning the typical rules of normalization applied to transactional relational databases are relaxed during star-schema design and implementation.

1. What do you mean by SETL?

* SETL is a programmable semantic extract-transform-load framework for semantic data warehouses
* SETL provides a number of powerful modules, classes, and methods for (dimensional and semantic) DW constructs and tasks.
* Using SETL, we perform a comprehensive experimental evaluation by producing a MD semantic DW that integrates a semantic and non semantic data sources.