**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 D) ALTER

2. Which of the following is/are DML commands in SQL?

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:

B) Structured Query Language

4. Full form of DDL is:

B) Data Definition Language

5. DML is:

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?

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?

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?

D) None of them

9. 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?

**Answer:** None

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?

D) None of them

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

11. What is data-warehouse?

**Answer:** A data warehouse is a collection of data like a database, constructed by integrating data from multiple heterogeneous sources. This database has current and historical data that supports analytical reporting, structured and/or ad hoc queries and decision making.

12. What is the difference between OLTP VS OLAP?

|  |  |  |
| --- | --- | --- |
| **Point** | **OLTP** | **OLAP** |
| Stored data | Historical and current, summarized and consolidated | Current, primitive and highly detailed |
| Number of users | Less | High |
| Data stored | High | Less |
| Based on | Entity Relationship Model | Entity Relationship Model |

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

**Answer:** Characteristics of data-warehouse:

* Integrated: The way data is extracted and transformed is uniform, regardless of the original source.
* Time-variant: Data is organized with respect to time-periods.
* Non-volatile: It is not updated in real-time thus it is protectedt from the influence of momentary change.

14. What is Star-Schema??

**Answer:** Star schema is one of the way the data is stored indata warehouse. Here each table has only one dimension of data such as time, location etc. and these tables are connected to at least one other table by one common attribute.

15. What do you mean by SETL?

**Answer:** It is a programming language (SET language) based on the theory of sets in maths.