WORKSHEET SET-1 SQL

1. Which of the following is/a	re DDL commands in SQL?
A) Create B) Up C) Delete D) Al	
Answer: B) Update	
2. Which of the following is/a	re DML commands in SQL?
A) Update B) De C) Select D) Di	
Answer: D) Drop	
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 Que	ry Language
4. Full form of DDL is:	
A) Descriptive Designed Lang	guage B) Data Definition Language
C) Data Descriptive Language	D) None of the above.
Answer: B) Data Definition	Language
5. DML is:	
A) Data Manipulation Langua	ge B) Data Management Language
C) Data Modeling Language	D) None of these
Answer: A) Data Manipulati	on Language
6. Which of the following stat type and C float type?	ements can be used to create a table with column B int
A) Table A (B int, C float)	B) Create A (b int, C float)
C) Create Table A (B int.C flo	at) D) All of them
Answer: B) Create A (h int	C float)

7. Which of the following statemen the table A created above?	ts can be used to add a column D (float type) to	
A) 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) Alter Table A ADD COLUMN D float		
8. Which of the following statemen above question?	ts can be used to drop the column added in the	
A) Table A Drop D	B) Alter Table A Drop Column D	
C) Delete D from A	D) None of them	
Answer: B) Alter Table A Drop Co	olumn D	
9. Which of the following statemen to int) of the column D of table A	ts can be used to change the data type (from float 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: Alter Table A Alter Column D int		
10. Suppose we want to make Columbich of the following statements was	umn B of Table A as primary key of the table. By we can do it?	
A) Alter Table A Add Constraint Pri	mary Key B B) Alter table (B primary key)	
C) Alter Table A Add Primary key B	D) None of them	
Answer: C) Alter Table A Add Prin	mary key B	

11. What is data-warehouse?

A. A data warehouse is a central repository of information that can be analyzed to make more informed decisions. Data flows into a data warehouse from transactional systems, relational databases, and other sources. Business analysts, data engineers, data scientists, and decision makers access the data through business intelligence (BI) tools, SQL clients, and other analytics applications.

12. What is the difference between OLTP VS OLAP?

A. An OLTP system captures and maintains transaction data in a database. Each transaction involves individual database records made up of multiple fields or columns. Examples include banking and credit card activity or retail checkout scanning. In OLTP, the emphasis is on fast processing, because OLTP databases are read, written, and updated frequently. If a transaction fails, built-in system logic ensures data integrity.

OLAP applies complex queries to large amounts of historical data, aggregated from OLTP databases and other sources, for data mining, analytics, and business intelligence projects. In OLAP, the emphasis is on response time to these complex queries. Each query involves one or more columns of data aggregated from many rows. Examples include year-over-year financial performance or marketing lead generation trends. OLAP databases and data warehouses give analysts and decision-makers the ability to use custom reporting tools to turn data into information. Query failure in OLAP does not interrupt or delay transaction processing for customers, but it can delay or impact the accuracy of business intelligence insights.

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

Characteristics of Data Warehouse:

- 1. **A. Subject-oriented**: A data warehouse typically provides information on a topic (such as a sales inventory or supply chain) rather than company operations.
- 2. **Time-variant**: Time variant keys (e.g., for the date, month, time) are typically present.
- 3. **Integrated**: A data warehouse combines data from various sources. These may include a cloud, relational databases, flat files, structured and semistructured data, metadata, and master data. The sources are combined in a manner that's consistent, relatable, and ideally certifiable, providing a business with confidence in the data's quality.
- 4. **Persistent and non-volatile**: Prior data isn't deleted when new data is added. Historical data is preserved for comparisons, trends, and analytics

14. What is Star-Schema??

A. A star schema is a database organizational structure optimized for use in a data warehouse or business intelligence that uses a single large fact table to store transactional or measured data, and one or more smaller dimensional tables that store attributes about the data. It is called a star schema because the fact table sits at the center of the logical diagram, and the small dimensional tables branch off to form the points of the star.

15. What do you mean by SETL?

A. Set theory programming language is a programming paradigm based on mathematical set theory. One example of a programming language based on this paradigm is SETL. The goal of set theoretic programming is to improve programmer speed and productivity significantly, and also enhance program clarity and readability.