

**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 | B) Update |
| C) Delete | D) ALTER  |

Answer - Create & Alter are the DDL commands

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

Answer – Update, delete & Select are the DML commands.

**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 | B) Structured Query Language |
| C) Simple Query Language   | D) None of them              |

Answer - Structured Query Language

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

Answer - Data Definition Language

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

Answer - 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)       | B) Create A (b int, C float) |
| C) Create Table A (B int,C float) | D) All of them               |

Answer - 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)                | B) Alter Table A ADD COLUMN D float |
| C) Table A( B int, C float, D float) | D) None of them                     |

Answer - 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  | B) Alter Table A Drop Column D |
| C) Delete D from A | D) None of them                |

Answer - 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

Do table A created in above questions?

A) Table A (D float int)

C) Alter Table A D float int

B) Alter Table A Alter Column D int

D) Alter table A Column D float to int

Answer - Alter Table A Alter Column D 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

C) Alter Table A Add Primary key B

B) Alter table (B primary key)

D) None of them

Answer - Alter Table A Add Constraint Primary Key B

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

11. What is data-warehouse?

Data warehouse is a large collection of business data DWH is a digital environment for data storage that provides access to the information for supporting BI activities. Consequently, data warehousing is the process of periodically archiving and reshaping data for BI purposes.

12. What is the difference between OLTP VS OLAP?

OLTP - Online transaction processing - online database query management system that is, captures, stores, and processes data from transactions in real time. a large amount of data is stored

OLAP - Online analytical processing - online database modifying system that is, uses complex queries to analyze aggregated historical data from OLTP systems. The size of the data is relatively small as the historical data is archived

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

There are four characteristics of a data warehouse below  
Subject Oriented, Time Variant, Integrated and Non Volatile.

14. What is Star-Schema??

star schema is a multi-dimensional data model used to organize data in a database so that it is easy to understand and analyze.

15. What do you mean by SETL?

Don't know about SETL.

But ETL stands for Extract Transform Load are the three processes that in combination, move data from one database, multiple databases.

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