

SQL Work Sheet Answers

Q. 1

Ans- A) Create , D) ALTER

Q. 2

Ans - A) Update, B) Delete

Q. 3

Ans - B) Structured Query Language

Q. 4

Ans - B) Data Definition Language

Q. 5

Ans - A) Data Manipulation Language

Q. 6

Ans - C) Create Table A (B int,C float)

Q. 7

Ans - B) Alter Table A ADD COLUMN D float

Q. 8

Ans - B) Alter Table A Drop Column D

Q . 9

Ans - B) Alter Table A Alter Column D int

Q. 10

Ans - C) Alter Table A Add Primary key B

Q. 11

Ans - **Data warehousing** is the electronic storage of a large amount of information by a business or organization. A **data warehouse** is designed to run query and analysis on historical **data** derived from transactional sources for business intelligence and **data** mining purposes.

Q. 12

Ans -

OLAP (Online analytical processing)	OLTP (Online transaction processing)
Consists of historical data from various Databases.	Consists only operational current data
It is subject oriented. Used for Data Mining, Analytics, Decision making,etc	It is application oriented. Used for business tasks.

The data is used in planning, problem solving and decision making.	The data is used to perform day to day fundamental operations.
It reveals a snapshot of present business tasks.	It provides a multi-dimensional view of different business tasks.
Large amount of data is stored typically in TB, PB	The size of the data is relatively small as the historical data is archived. For ex MB, GB
Relatively slow as the amount of data involved is large. Queries may take hours.	Very Fast as the queries operate on 5% of the data.
It only need backup from time to time as compared to OLTP.	Backup and recovery process is maintained religiously

Q. 13

Ans -

1. **Subject-oriented**
2. **Integrated**
3. **Time-Variant**
4. **Non-Volatile**

Q. 14

Ans - A star schema is the elementary form of a dimensional model, in which data are organized into **facts** and **dimensions**. A fact is an event that is counted or measured, such as a sale or log in. A dimension includes reference data about the fact, such as date, item, or customer.

A star schema is a relational schema where a relational schema whose design represents a multidimensional data model. The star schema is the explicit data warehouse schema. It is known as **star schema** because the entity-relationship diagram of this schemas simulates a star, with points, diverge from a central table. The center of the schema consists of a large fact table, and the points of the star are the dimension tables

Q. 15

Ans - The SET command is used with UPDATE to specify which columns and values that should be updated in a table.