Logo, company name

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Hiwot Dejene

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Database

Lab Guide

**Short Answer**

1. what is Data?

* Ans: - Data is the facts that can be recorded it can be text, number, or images.

1. what is Information?

* Ans: - Information is facts provided or learned about something or someone.

3.what is Database (DB)?

* Ans: - A database is a systematic collation related of Data, that

represent some real-world entities.

4. What is the Relation Database Management System (RDBMS)?

* Ans: - Relation Database Management System is a program used to create, update, and mange relation databases.

5. Define the importance of Relation Database Management System(RDBMS)?

* Ans: - The importance of RDBMS is it ease of to use accessing and managing the data becomes easy while working with RDBMS by using the tables to store data in columns and rows.

6. As we all know that there are Two types of Databases. Relational Database (SQL) AND Non-Relational DB(NO sql). what is the difference between them.

* Ans: - (SQL) has fixed or static or predefined schema on the other hand a (NO sql) has dynamic schema.

7. List examples of Relation Database Management System (RDBMS)?

* Ans: - [1010data](https://www.1010data.com/), [4D](http://www.4d.com/), [ActorDB](http://www.actordb.com/)

8. List examples of Non-Relational DB(Nosql)?

* Ans: -

9. Define and Describe is Structured Query Language (SQL)?

* Ans: - Structured Query Language is the core of a relation database which is used for accessing and managing the database.

10. List and Describe each of the different subsets of SQL(Mean DDL, DML, DCL, TCL)?

* Ans: -DDL it allows you to perform various operation on the database.
* Ans: - DML commands are used for manipulating the data stored in the table and not the table itself.
* Ans: - DCL Data control language are the commands to grant and take back authority from any database user.
* Ans: -TCL commands are used to manage transaction in the database.

11. what is table in Database (DB)?

* Ans: - A table in DB is structure that organizes data into rows and columns.

12. what is column and Row(tuples) in table?

* Ans: - A column is a vertical series of cells in a chart, table, or spreadsheet while a row is a series of data put out horizontally in a table or spreadsheet.

**To Be Continued…**