

Answers of textbook exercises

Fill in the Blanks

1. When we have to store a large amount of data in an organized manner we use **Database**.
2. DDL statement for adding a column to an existing table is **Alter**.
3. Rows are also known as **records**.
4. MySQL is owned by **oracle corporation**.
5. **Entity** is an object in the real world that is distinguishable from other objects.

State True or False

1. MongoDB is an example of RDBMS. -**False**
2. Alter is a DML statement. -**False**
3. Revoke is a DCL statement. -**True**
4. Attributes are unique in a relation. -**False**
5. **DROP <table name>** command deletes a table from the database. -**True**

Match the Following

1. RDBMS	MySQL
2. Relation	Table
3. DDL	Create
4. DCL	Grant
5. MongoDB	NoSQL

Multiple choice questions

- MySQL is:
 - An RDBMS
 - An Open source software
 - Owned by Oracle Corporation
 - d. All of the above**
- Which of the following is not a DDL command:
 - Create
 - Alter
 - Truncate
 - d. Delete**
- What represents an 'attribute' in a relational database?
 - Table
 - Row
 - c. Column**
 - Object
- How is communication established with MySQL?
 - a. SQL**
 - Network calls
 - A programming language like C++
 - APIs

5. The command for selecting a database is
- a. **CREATE** <database name>
 - b. **USE** <database name>
 - c. **GRANT** <database name>
 - d. **REVOKE** <database name>

Answer in one word or one sentence

1. **Command for login to MySQL from terminal/ command prompt is:**
`mysql -u root -p`
2. **Abbreviation SQL stands for:**
Structured Query Language.
3. **What are the types of databases available?**
Relational databases, NoSQL databases, Hierarchical databases, Network databases.
4. **What is an entity?**
Objects in the real world that are distinguishable from other objects.
5. **What is the data model used in RDBMS?**
Relational data model.

Answer the following

1. **What is a database?**
A database is a collection of information organized in such a way that a computer program can quickly select desired pieces of data.

2. Brief the history of MySQL?

MySQL is a popular open-source database. It got its name from the co-founder Michael Wideniu's daughter, and from "Structured Query Language." It was bought by Oracle Corporation in 2008.

3. What is an ER model?

ER model also known as Relational Database Management System (RDBMS) is a widely used database model where data is organized into tables.

4. What is DDL?

DDL commands are used to define the structure of the database or schema. It is used for creating, modifying, and deleting objects like databases, tables, etc.

5. What is DCL?

DCL is used to create roles, permissions, and referential integrity, as well as to control access to the database for securing it.