1. What is RDBMS?

RDBMS stands for Relational Database Management System. RDBMS is a program used to maintain a relational database. RDBMS is the basis for all modern database systems such as MySQL, Microsoft SQL Server, Oracle, and Microsoft Access. RDBMS uses SQL queries to access the data in the database.

1. What is SQL?

SQL is a language to operate databases; it includes database creation, deletion, fetching rows, modifying rows. It is a computer language for storing, manipulating and retrieving data stored in a relational database.

1. Write SQL Commands.

**Create:** Creates a new table in the database. It allows to specify the name of the table and the name of each column in the table.

CREATE TABLE table\_name (

column\_1 datatype,

column\_2 datatype,

column\_3 datatype

);

**Insert:** Used to add a new row to a table.

INSERT INTO table\_name (column\_1, column\_2, column\_3)

VALUES (value\_1, 'value\_2', value\_3);

**Alter:** Add columns to a table in a database.

ALTER TABLE table\_name

ADD column\_name datatype;

**Select:** Used to fetch data from a database.

SELECT column\_name

FROM table\_name;

**Where:** Filter the result set to include only rows where the following condition is true.

SELECT column\_name(s)

FROM table\_name

WHERE column\_name operator value;

**Delete:** Used to remove rows from a table.

DELETE FROM table\_name

WHERE some\_column = some\_value;

**Order By:** Sort the result set by a particular column either alphabetically or numerically.

SELECT column\_name(s)

FROM table\_1

LEFT JOIN table\_2

ON table\_1.column\_name = table\_2.column\_name;

4. What is join?

Combine two or more tables

5. Write type of joins.

1. inner join,

2. left outer join,

3. right outer join,

4. full outer join,

5. cross join.