```
**) need two know 2 query most practically....
1] select with all clauses like where, and, or, not, etc.
2] join all like inner, outer and left
```

**) is it possible to generate multiple primary key in single table?

Theoritical not possible but practically possible via composite key.

```
CREATE TABLE user (
userid INT,
userdataid INT,
info char(200),
primary key (userid, userdataid)
);
```

1. What is DBMS?

A Database Management System (DBMS) is a program that controls creation, maintenance and use of a database. D BMS can be termed as File Manager that manages data in a database rather than saving it in file systems.

2. What is RDBMS?

RDBMS stands for Relational Database Management System. RDBMS store the data into the collection of tables, w hich is related by common fields between the columns of the table. It also provides relational operators to manipulat e the data stored into the tables.

Example: SQL Server.

3. What is SQL?

SQL stands for Structured Query Language, and it is used to communicate with the Database. This is a standard language used to perform tasks such as retrieval, updation, insertion and deletion of data from a database.

Standard SQL Commands are Select.

4. What is a Database?

Database is nothing but an organized form of data for easy access, storing, retrieval and managing of data. This is als o known as structured form of data which can be accessed in many ways.

Example: School Management Database, Bank Management Database.

5. What is a primary key?

A primary key is a combination of fields which uniquely specify a row. This is a special kind of unique key, and it h as implicit NOT NULL constraint. It means, Primary key values cannot be NULL.

6. What is a unique key?

A Unique key constraint uniquely identified each record in the database. This provides uniqueness for the column or set of columns

A Primary key constraint has automatic unique constraint defined on it. But not, in the case of Unique Key.

There can be many unique constraint defined per table, but only one Primary key constraint defined per table.

7. What is a foreign key?

A foreign key is one table which can be related to the primary key of another table. Relationship needs to be created between two tables by referencing foreign key with the primary key of another table.

8. What is a join?

This is a keyword used to query data from more tables based on the relationship between the fields of the tables. Ke ys play a major role when JOINs are used.

9. What are the types of join and explain each?

There are various types of join which can be used to retrieve data and it depends on the relationship between tables.

Inner Join.

Inner join return rows when there is at least one match of rows between the tables.

Right Join.

Right join return rows which are common between the tables and all rows of Right hand side table. Simply, it return s all the rows from the right hand side table even though there are no matches in the left hand side table.

Left Join.

Left join return rows which are common between the tables and all rows of Left hand side table. Simply, it returns all the rows from Left hand side table even though there are no matches in the Right hand side table.

Full Join.

Full join return rows when there are matching rows in any one of the tables. This means, it returns all the rows from the left hand side table and all the rows from the right hand side table.

10. What is normalization?

Normalization is the process of minimizing redundancy and dependency by organizing fields and table of a database . The main aim of Normalization is to add, delete or modify field that can be made in a single table.

11. What is Auto Increment?

Auto increment keyword allows the user to create a unique number to be generated when a new record is inserted int o the table. AUTO INCREMENT keyword can be used in Oracle and IDENTITY keyword can be used in SQL SER VER.

Mostly this keyword can be used whenever PRIMARY KEY is used.

12. Advantages and Disadvantages of Stored Procedure?

Stored procedure can be used as a modular programming \Box means create once, store and call for several times whe never required. This supports faster execution instead of executing multiple queries. This reduces network traffic an d provides better security to the data.

Disadvantage is that it can be executed only in the Database and utilizes more memory in the database server.

13. Difference Between Primary, Foreign and unique key.

Primary Key

Primary key cannot have a NULL value.

Each table can have only one primary key.

Unique Key

Unique Constraint may have a NULL value.

Each table can have more than one Unique Constraint.

Foreign Key

Foreign key is a field in the table that is Primary key in another table.

Foreign key can accept multiple null value.

more info: https://www.w3schools.com/sql/default.asp