* **What is SQL?**

**SQL** stands for Structured Query Language. It is used to communicate with relational databases. Relational databases contain data in the form of tables. Some of the common operations performed are insert, delete, update, and retrieve data from database. We can create different relationships among tables in databases. There are different flavors of SQL available like **MS SQL Server**, **Oracle SQL**, **PostgreSQL**, and **SQLite**. Each one having their own syntax and features although their core concepts and techniques behind the scene are same.

* **What is DDL?**

**DDL** (Data Definition Language) statements are used to define the database schema. These commands deal with the description of the database schema and is used to create and modify the structure of database objects in database. Some of the common operation that can be performed using DDL commands are to create, modify and delete the database. These commands do not actually deal with the data in database rather these only deals with the schema of database. **CREATE**, **DROP**, **ALTER**, **TRUNCATE**, **COMMENT**, and **RENAME** are the examples of DDL commands.

* **What is DML?**

**DML** (Data Manipulation Language) statements deals with the type of SQL statements which mostly modify the data in database. Most of the commands in SQL are of type DML. These commands also control the access to the data and database as well. **DCL** (Data Control Language) commands are also included in DML. **INSERT, UPDATE, DELETE, LOCK** are the examples of DML commands. While **GRANT** and **REVOKE** are termed as DCL commands.

* **What is DQL?**

**DQL** (Data Query Language) is a portion of SQL statements which allows us to retrieve and organize data from database. **SELECT** command is used to extract data from database in order to perform action on it. The result of SELECT statement will be a temporary table that is used to display the data.

Example: SELECT student\_name from Student where phone\_no = 923012345678;

Above statement will select the student’s name whose phone number is as specified.