

SQL Data types

Data type	Function
char	string size (0-255)
varchar	string size (0-255)
TEXT	string size (0-65535)
TINYTEXT	
BLOB (to store audio videos)	
MEDIUMTEXT, MEDIUMBLOB, LONGTEXT, LONG BLOB	
TINYINT, SM <i>A</i> LLINT, MEDIUMINT, INT, BIGINT	
FLOAT, DOUBLE, DECIMAL	
DATE, DATETIME, TIMESTAMP, TIME	
ENUM, SET	
	OLEAN, BIT
SIGNED, UNSIGNED	
ADVANCED -> JSON	

SQL Types of Commands-

- 1) DDL -> DATA DEFINATION LANGUAGE
 - a) CREATE -> Database, table, view
 - 6) ALTERTABLE -> modify existing table
 - c) DROP -> to delete -> Table, DB, view
 - d) TRUNCATE -> remove all tuples of the table
 - e) RENAME -> table, db, column
- 2) DRL/DQL -> DATA RETRIVAL LANGUAGE /
 DATA QUERY LANGUAGE
 - a) SELECT -> To access date
- 3) DML -> DATA MODIFICATION LANGUAGE
 - a) INSERT -> to insert data
 b) DELETE -> to delete data
 3) UPDATE -> to update existing data
- 4) DCL -> DATA CONTROL LANGUAGE to grant or revoke authorities
 - a) GRANT -> grant access b) REVOKE -> revoke access
- 5) TCL -> TRANSACTION CONTROL LANGUAGE
 (not discussing yet)

COMMANDS ->

```
a) CREATE DATABASE IF NOT EXISTS dB-name;
b) DROP DATABASE IF EXISTS dB-name;
c) USE DATABASE dB-name;
d) SHOW DATABASES; // list all DB present in the server
e) SHOW TABLES; // list tables of the selected DB
```

2) DQL (Access DB) -

a) SELECT * FROM tableName; b) SELECT column_name FROM tableName;

CAN WE USE 'SELECT' WITHOUT USING 'FROM'

"YES using dual table"

it creates dual table demo table ex.->

SELECT 44+11 OUTPUT will be 55 in a GRID form

SELECT now(); // current time

SELECT Icase ('Lakshya') OUTPUT will be LAKSHYA

EX->

SELECT *FROM table_name WHERE age >18

SELECT * FROM WORKER WHERE salary> 9000; SELECT first_name FROM WORKER WHERE department= 'IT';

BETWEEN

SELECT first_name FROM WORKER WHERE salary BETWEEN 5000 and 10000;

ALL CODE TILL NOW->

