



SQL

Class 5

Agenda

SQL Commands

DB Testing with Selenium

SQL Commands

Data Manipulation Language (DML) - deals with data manipulation (used to retrieve, store, modify, delete and update data in database).

Data Definition Language (DDL) - defining and dealing with database schemas and descriptions of how the data should exist in database.

Data Control Language (DCL) - deals with rights, permissions and other controls of the database system.

Transaction Control Language (TCL) – deals with a transaction within a database.

SQL Commands

DML

SELECT
UPDATE
DELETE
INSERT

DDL

DROP
RENAME
CREATE
ALTER
TRUNCATE

DCL

REVOKE
GRANT

TCL

COMMIT
ROLLBACK

SQL Commands

Data Manipulation Language

SELECT

UPDATE

DELETE

INSERT

(SUDI)

**DML Commands can be reversed /
Rolled back**

SQL Commands

Data Definition Language

DROP

RENAME

CREATE

ALTER

TRUNCATE

(DR CAT)

**DDL Commands cannot be
reversed / Rolled Back**

Create Command

Syntax:

```
CREATE TABLE table_name (  
column1 datatype NOT NULL,  
column2 datatype,  
        column3 datatype  
);
```

Insert Statement

Syntax

```
INSERT INTO table_name (column1,column2,...)  
VALUES (value1,value2,...);
```

Update Statement

Syntax

```
UPDATE table_name  
SET column1 = value1, column2 = value2,...  
WHERE Any_column = some_value;
```

Delete Statement

Syntax

```
Delete from table_name  
WHERE some_column = some_value;
```


Truncate Table Statement

Used to remove data / records from the table and NOT THE TABLE ITSELF

Keeps the TABLE in place but deletes All the DATA / RECORDS in the Table

Syntax

```
Truncate Table table_name;
```

Drop Table Statement

Used to delete the Data and the Table from Database

Syntax

```
Drop Table table_name;
```

SQL Commands

Data Manipulation Language

SELECT

UPDATE

DELETE

INSERT

(SUDI)

**DML Commands can be
reversed / Rolled back**

Data Definition Language

DROP

RENAME

CREATE

ALTER

TRUNCATE

(DR CAT)

**DDL Commands cannot be
reversed / Rolled Back**

?

What is the difference between DELETE, TRUNCATE, DROP?

Syntax

```
Truncate Table table_name;
```

Used to delete the Data and the Table from Database

Syntax

```
Drop Table table_name;
```