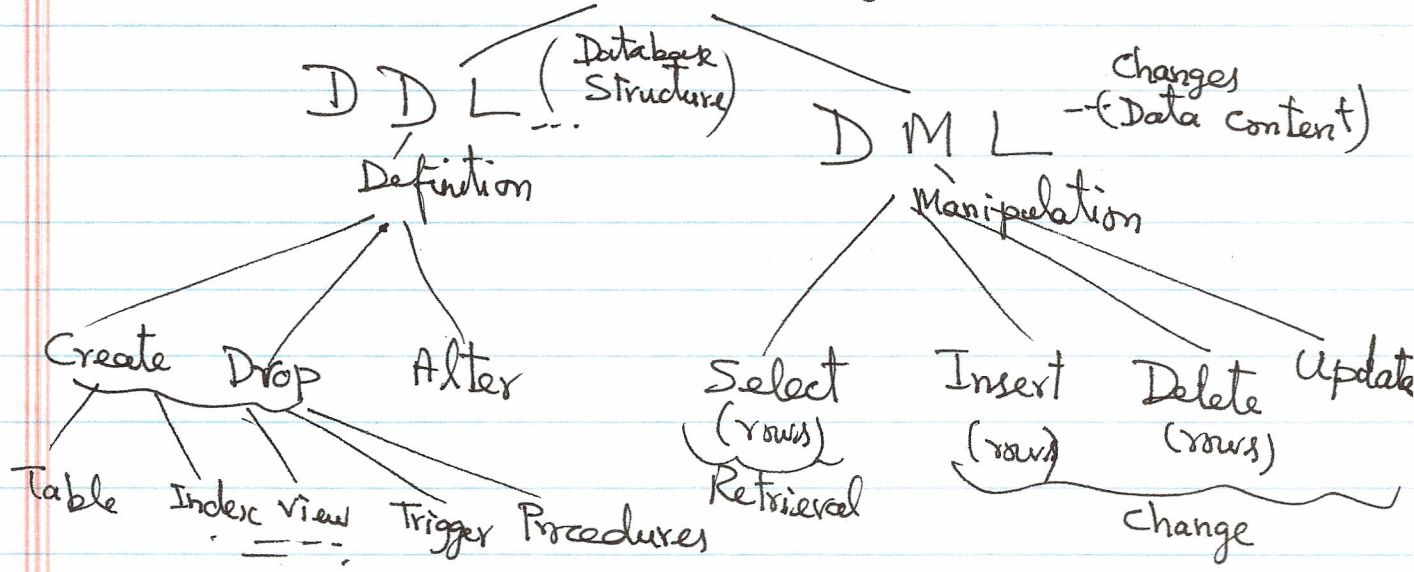


Synonyms:

- Table - Relation
- Row - Record - Tuple
- Column - Attribute - Field

Structured Query Language (SQL)



SQL script - File contains a set of SQL statements

## **SQL - DDL (Structural) Syntax format**

```
CREATE TABLE tableName (  
attribute datatype(size) not null,  
....  
):
```

```
Drop TABLE IF EXISTS tablename;
```

```
ALTER TABLE tablename  
ADD/DROP/ALTER COLUMN columnName ....;
```

## **SQL - DML (instance) Syntax format**

```
INSERT INTO tablename  
VALUES (list column values for the new row);
```

```
DELETE FROM tablename  
WHERE rowSelectionCondition;
```

```
UPDATE tablename  
SET columnname = newValue  
WHERE rowSelectionCondition;
```

\*SELECT - Retrieval query clauses

```
SELECT targetOutputColumns  
FROM listOfSourceTables  
WHERE rowSelectionCondition  
GROUP BY GroupingColumn(s)  
HAVING groupSelectionCondition  
ORDER BY sortOrderingColumn(s)
```