# SQL CREATE TABLE Statement

**Syntax:**

**CREATE TABLE table\_name**

**(**

**column\_name1 data\_type,**

**column\_name2 data\_type,**

**column\_name3 data\_type,**

**...**

**);**

**The INSERT INTO Statement**

* The first form doesn't specify the column names where the data will be inserted, only their values:

**INSERT INTO table\_name VALUES (value1, value2, value3,...);**

* The second form specifies both the column names and the values to be inserted:

**INSERT INTO table\_name (column1, column2, column3,...) VALUES (value1, value2, value3,...);**

**SQL SELECT Statement**

### SQL SELECT Syntax:

* **SELECT column\_name(s)  
  FROM table\_name;**
* **SELECT \* FROM table\_name;**

# SQL UPDATE Statement

# The UPDATE statement is used to update existing records in a table.

### SQL UPDATE Syntax:

**UPDATE table\_name  
SET column1=value, column2=value2,...  
WHERE some\_column=some\_value ;**

# SQL DELETE Statement

# The DELETE statement is used to delete records in a table.

### SQL DELETE Syntax:

**DELETE FROM table\_name  
WHERE some\_column=some\_value ;**

## For Delete All Rows:

**DELETE FROM table\_name ;**

**OR  
  
DELETE \* FROM table\_name ;**

# SQL ALTER TABLE Statement

# *The ALTER TABLE statement is used to add, delete, or modify columns in an existing table.*

### SQL ALTER TABLE Syntax:

* To add a column in a table, use the following syntax:

**>>ALTER TABLE table\_name ADD column\_name datatype;**

**ALTER TABLE table\_name  
DROP COLUMN column\_name;**

* **To change the data type of a column in a table, use the following syntax:**

**ALTER TABLE table\_name  
ALTER COLUMN column\_name datatype ;**

# SQL SELECT DISTINCT Statement

# The DISTINCT keyword can be used to return only distinct (different) values.

### SQL SELECT DISTINCT Syntax:

|  |  |
| --- | --- |
| **SELECT DISTINCT column\_name(s) FROM table\_name ;** SQL DROP STATEMENT*>>The DROP TABLE statement is used to delete a table*.Syntax:DROP TABLE table\_name; >>The DROP DATABASE statement is used to delete a database.  Syntax:   |  | | --- | | **DROP DATABASE database\_name;** |  The TRUNCATE TABLE Statement >*What if we only want to delete the data inside the table, and not the table itself?* TRUNCATE TABLE table\_name; |