



4. Create, Modify, Delete and List Table using SQL Commands

Users Table:

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	Code	varchar(4)	<input type="checkbox"/>
	UserTypeId	int	<input type="checkbox"/>
	SupervisorId	int	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

UserTypes:

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	Description	varchar(20)	<input type="checkbox"/>

Create Tables

Using the below query you can create the same tables programmatically.

Script:

```
-- Create Users Table
CREATE TABLE Users(
    Id INT NOT NULL,
    Code VARCHAR(4) NOT NULL,
    UserTypeId INT NOT NULL,
    SupervisorId INT NULL,
    PRIMARY KEY (Id)
);

-- Create UserTypes Table
CREATE TABLE UserTypes (
    Id INT NOT NULL,
    Description VARCHAR(20) NOT NULL,
    PRIMARY KEY (Id)
```

```
);
```

Select the database before you execute any query. Otherwise, it will be executed in the wrong database.

List Tables

Below is the SQL script to list all tables.

Script:

```
SELECT sysobjects.[name]  
FROM sysobjects  
WHERE sysobjects.xtype = 'U';
```

Modify Tables

The below script will show how to delete the “SupervisorId” row and recreate it again.

Script:

```
ALTER TABLE Users DROP COLUMN SupervisorId;  
ALTER TABLE Users ADD SupervisorId INT NULL;
```

Delete Tables

Below syntax is used to delete a table from a database.

```
DROP TABLE Table1;
```

The Below script will delete the User table.

Script:

```
DROP TABLE User;
```

