

Testing DELETE Table and DROP Table

```
USE master;

IF DB_ID('COMPANY3') IS NULL
    CREATE DATABASE COMPANY3;

GO

use COMPANY3;
go

--select * from sys.tables;

-- Create a Table Employee_Test in COMPANY3 database

IF OBJECT_ID('dbo.Employee_Test') IS NULL

    create table Employee_Test (
        ssn      char(9),
        fname    varchar(10),
        lname    varchar(10)
    );

--This Select Query will Show Empty Table
select * from Employee_Test;

--Let's insert 3 rows in the Table

insert into Employee_Test values ( '123456789', null, 'Smith');
insert into Employee_Test values ( '123456789', 'Bob', 'Smith');
insert into Employee_Test values ( '123456789', ' ', 'Smith');

--This Select Query will Show 3 rows in the Table

select * from Employee_Test;

--Delete one row whose first name is 'Bob'
delete Employee_Test where Employee_Test.fname = 'Bob';

--This Select Query will Show 2 rows in the Table

select * from Employee_Test;

-- This will delete all the rows(tuples) in the table but not the table scheme in the
system catalogue

delete Employee_Test;

--This Select Query will Show Empty in the Table

select * from Employee_Test;
```

Query executed successfully. SUNNIESW7 (12.0 SP1) | SUNNIESW7\Sunnies (55) | COMPANY3 | 00:00:00 | 5 rows

ssn	fname	lname
123456789	NULL	Smith
123456789	Bob	Smith
123456789		Smith

ssn	fname	lname
123456789	NULL	Smith
123456789		Smith

--This will remove the table object from the system catalogue
 drop table dbo.Employee_Test;

--This next select will get an error because there is no Employee_Test table in the system anymore.

select * from Employee_Test;

Query completed with errors. SUNNIESW7 (12.0 SP1) | SUNNIESW7\Sunnies (55) | COMPANY3 | 00:00:00 | 5 rows

(0 row(s) affected)
 (1 row(s) affected)
 (1 row(s) affected)
 (1 row(s) affected)
 (3 row(s) affected)
 (1 row(s) affected)
 (2 row(s) affected)
 (2 row(s) affected)
 (0 row(s) affected)
 Msg 208, Level 16, State 1, Line 34
 Invalid object name 'Employee_Test'.