PRINT
VERSION

SQL Insert into Statement

The INSERT INTO statement is used to insert new rows into a table. It is possible to write the insert into statement in two forms:

```
1  INSERT INTO table
2    VALUES ( value1, value2, .... )
```

```
1  INSERT INTO table ( col1, col2, col3, ... )
2    VALUES ( value1, value2, .... )
```

- The first form does not specify the column names where the data will be inserted, only their values.
- The second form specifies both the column names and the values to be inserted.

The following empty table Persons was created by the previous create table statement:

P_Id	LastName	FirstName	Address	City

Insert three persons into the table Persons:

```
1  INSERT INTO  Persons
2    VALUES (1, 'Hansen', 'Ola', 'Timoteivn 10', 'Sandnes');
3  INSERT INTO  Persons
4    VALUES (2, 'Svendson', 'Tove', 'Borgvn 23', 'Sandnes');
5  INSERT INTO  Persons
6    VALUES (3, 'Pettersen', 'Kari', 'Storgt 20', 'Stavanger');
```

The table Persons now becomes the following:

P_Id	LastName	FirstName	Address	City
1	Hansen	Ola	Timoteivn 10	Sandnes

| 2 | Svendson | Tove | Borgvn 23 | Sandnes |
| 3 | Pettersen | Kari | Storgt 20 | Stavanger |

Demonstration

The following is an SQL test area from W3Schools, which uses the well-known Northwind sample database and the tables are for read only.

The Database includes:

SQL Statement:

```
SELECT  CustomerID, COUNT(OrderID)
  FROM  Orders
  GROUP BY  CustomerID;
```

Restore Database

Edit the SQL statement and click   Run SQL »   to see the result, or

Reset »

Result:

Click **"Run SQL"** to execute the SQL statement above.

W3Schools has created an SQL database in your browser.

The menu to the right displays the database, and will reflect any changes.

Feel free to experiment with any SQL statement.

You can restore the database at any time.

The Database includes:

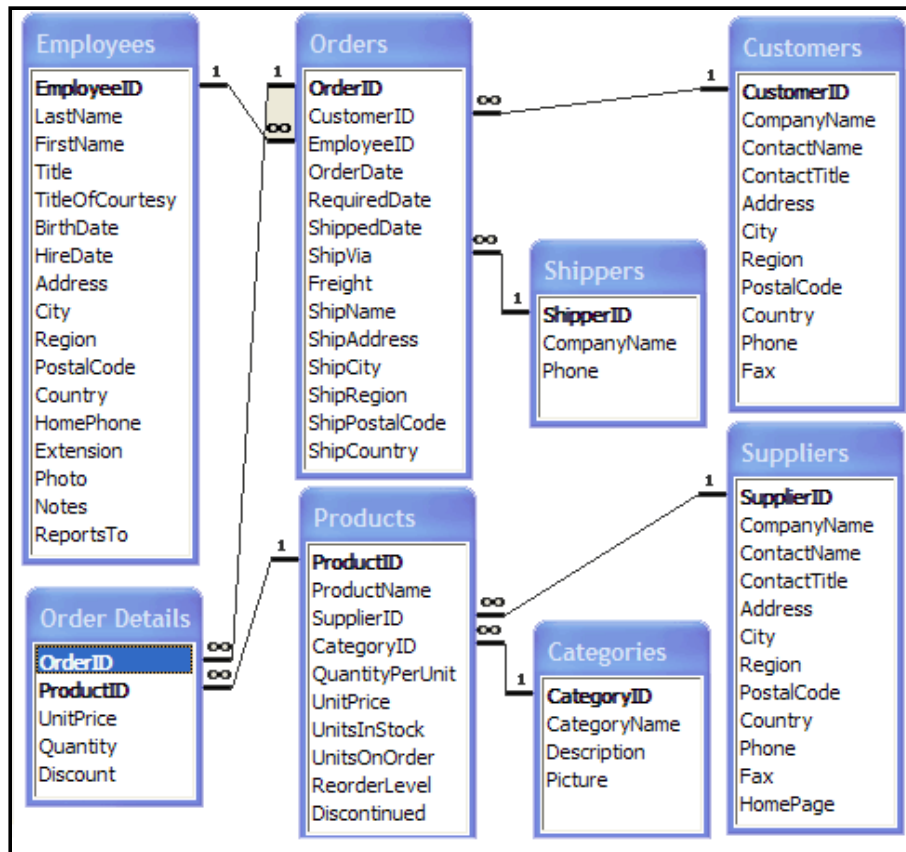| Tablenames	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3

Suppliers   29

Slide 5.10: SQL create table statement
Slide 5.12: SQL insert into statement (cont.)
Home