

Slide 5.12: SQL insert into statement (cont.)

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SQL Select Statement

The [SELECT](#) statement is used to select data from a database.

The result is stored in a result table (called the result-set). The syntax on the right is for the select statement:

```
1 | SELECT column_name(s)
2 | FROM table_name
```

An SQL Select Example

Assume the table Persons is given as follows:

P_Id	LastName	FirstName	Address	City
1	Hansen	Ola	Timoteivn 10	Sandnes
2	Svendson	Tove	Borgvn 23	Sandnes
3	Pettersen	Kari	Storgt 20	Stavanger

To select the columns named LastName and FirstName, use a select statement like this:

```
1 | SELECT LastName, FirstName FROM Persons;
2 |
3 | LASTNAME                FIRSTNAME
4 | -----
5 | Hansen                  Ola
6 | Svendson                Tove
7 | Pettersen               Kari
```

Select * Example

Now we want to select all the columns from the Persons table. We use the following select statement:

```
1 | SELECT * FROM Persons;
2 |
3 | P_ID      LASTNAME      FIRSTNAME      ADDRESS      CITY
```

4					
5	1	Hansen	Ola	Timoteivn 10	Sandnes
6	2	Svendson	Tove	Borgvn 23	Sandnes
7	3	Pettersen	Kari	Storgt 20	Stavanger

Demonstration

The following is an SQL test area from [W3Schools](http://www.w3schools.com), which uses the well-known [Northwind](http://www.w3schools.com/northwind) sample database and the tables are for read only.

SQL Statement:

The Database includes:

```
SELECT ProductName, Price
FROM Products
WHERE Price < 10;
```

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.

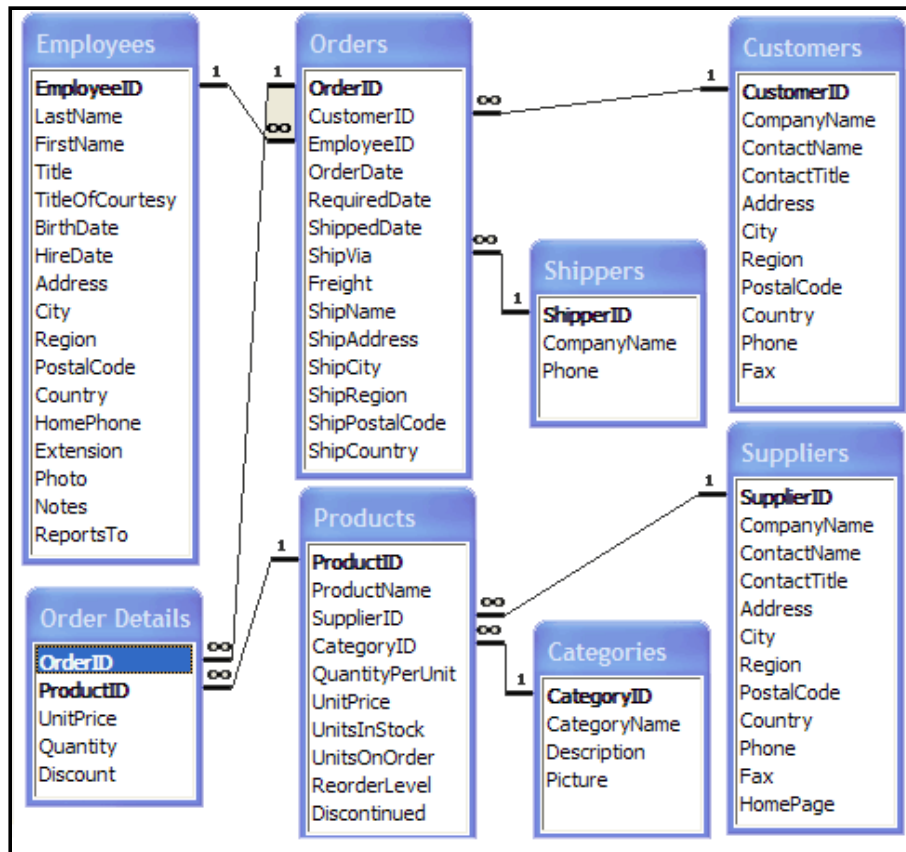
Feel free to experiment with any SQL statement.

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

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