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SQL Update Statement

The UPDATE statement is used to update existing records in a table. Notice the where clause in the update syntax. The where clause specifies which record or records that should be updated.

If you omit the where clause, all records will be updated! Assume the Persons table is given below:

```
1  UPDATE  table_name
2    SET column1=value, column2=value2, ...
3    WHERE some_column=some_value
```

P_Id	LastName	FirstName	Address	City
1	Hansen	Ola	Timoteivn 10	Sandnes
2	Svendson	Tove	Borgvn 23	Sandnes
3	Pettersen	Kari	Storgt 20	Stavanger
4	Rasmussen		Storgt 67	

```
1  UPDATE  Persons  SET  FirstName = 'Nina'
2    WHERE  LastName = 'Rasmussen';
3  UPDATE  Persons
4    SET Address = 'Nissestien 67', City = 'Sandnes';
```

The result tables from the above two updates are shown below:

- The first update adds a first name to the person with a last name of "Rasmussen."

P_Id	LastName	FirstName	Address	City
1	Hansen	Ola	Timoteivn 10	Sandnes
2	Svendson	Tove	Borgvn 23	Sandnes
3	Pettersen	Kari	Storgt 20	Stavanger
4	Rasmussen	Nina	Storgt 67	

P_Id	LastName	FirstName	Address	City

1	Hansen	Ola	Nissestien 67	Sandnes
2	Svendson	Tove	Nissestien 67	Sandnes
3	Pettersen	Kari	Nissestien 67	Sandnes
4	Rasmussen	Nina	Nissestien 67	Sandnes

- The second update is without a where clause. Thus, all records are updated.

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:

Restore Database

SQL Statement:

```
SELECT  OrderDate, CustomerName, ShipperName, LastName
  FROM  Orders o, Customers c, Shippers s, Employees e
  WHERE  o.CustomerID = c.CustomerID AND
         o.ShipperID  = s.ShipperID  AND
         o.EmployeeID = e.EmployeeID AND
         e.EmployeeID = 5;
```

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.

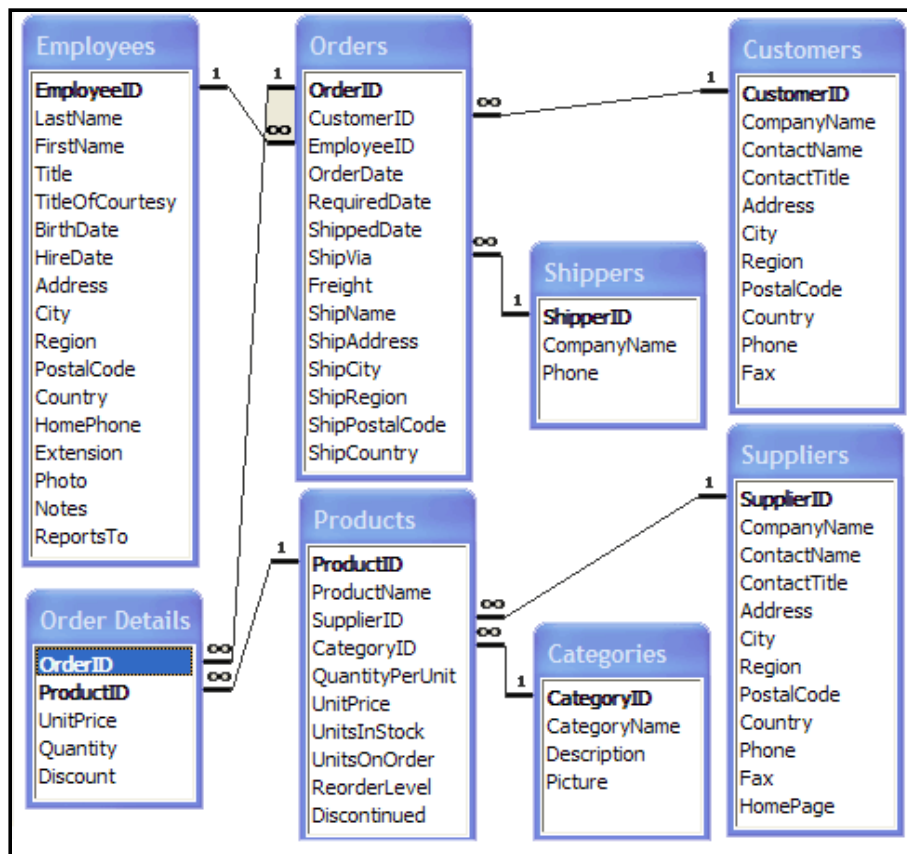You can restore the database at any time.

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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