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SQL Select Distinct Statement

The DISTINCT keyword can be used to return only distinct (different) values. In a table, some of the columns may contain duplicate values.

This is not a problem, however, sometimes you will want to list only the different (distinct) values in a table.

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

In the example below, the company W3Schools is listed twice in the result-set if the keyword DISTINCT is not used. To select only different values from the column named Company, we use a select distinct statement.

```
01 | CREATE TABLE Orders (
02 |     Company    VARCHAR(32),
03 |     OrderNumber NUMBER(4) NOT NULL);
04 |
05 | Table created.
06 |
07 | INSERT INTO Orders VALUES ('Sega', 3412);
08 | INSERT INTO Orders VALUES ('W3Schools', 2312);
09 | INSERT INTO Orders VALUES ('Trio', 4678);
10 | INSERT INTO Orders VALUES ('W3Schools', 6798);
11 | SELECT Company FROM Orders;
12 |
13 | COMPANY
14 | -----
15 | Sega
16 | W3Schools
17 | Trio
18 | W3Schools
19 |
20 | SELECT DISTINCT Company FROM Orders;
21 |
22 | COMPANY
23 | -----
24 | Sega
25 | Trio
26 | W3Schools
```

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:

```
SELECT  DISTINCT City
FROM    Customers
WHERE   Country = 'UK' OR Country = 'Germany';
```

The Database includes:

Restore
Database

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

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.

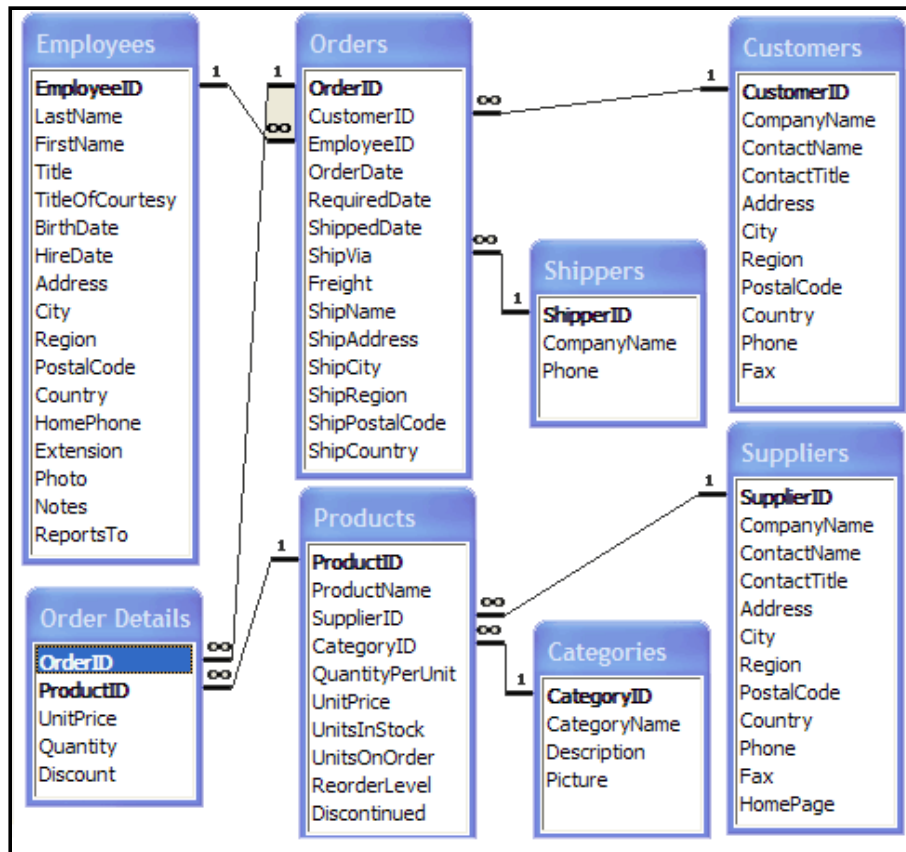
Feel free to experiment with any SQL statement.

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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