

L07: SQL

1. List the entire contents of the *Customers* table.

SQL Statement:

```
SELECT * FROM Customers;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 91

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
7	Blondel père et fils	Frédérique Citeaux	24, place Kléber	Strasbourg	67000	France
8	Bólido Comidas preparadas	Martín Sommer	C/ Araquil, 67	Madrid	28023	Spain

Tablename Records

Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

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2. List the CustomerName of all customers where city = "Berlin".

SQL Statement:

```
SELECT CustomerName FROM Customers WHERE city='Berlin';
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

CustomerName
Alfreds Futterkiste

Your Database:

Tablename Records

Customers	91
Categories	8
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

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3. List the CustomerName of all customers in the USA in alphabetical order by CustomerName.

SQL Statement:

```
SELECT CustomerName FROM Customers WHERE country='USA' ORDER BY CustomerName;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 13

CustomerName
Great Lakes Food Market
Hungry Coyote Import Store
Lazy K Kountry Store
Let's Stop N Shop
Lonesome Pine Restaurant
Old World Delicatessen
Rattlesnake Canyon Grocery
Save-a-lot Markets
Solit Rail Beer & Ale

Table Name Records

Customers	91
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4. List all of the cities in the *Customers* table. Now revise your SQL to remove duplicate cities.

SQL Statement:

```
SELECT DISTINCT City FROM Customers;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 69

City
Berlin
México D.F.
London
Luleå
Mannheim
Strasbourg
Madrid
Marseille
Tsawassen
Buenos Aires

Table Name Records

Customers	91
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1. Insert a new record in the *Categories* table. The new record should contain the following values ("Frozen Foods", "French Fries, TV Dinners, Eggos")

← → ↻ w3schools.com/sql/trysql.asp?filename=trysql_select_distinct

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SQL Statement:

```
INSERT INTO Categories (CategoryName, Description)
VALUES ('Frozen Foods', 'French Fries, TV Dinners, Eggos')
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database. Rows affected: 1

The Try-SQL Editor [?] at w3schools.com

Your Database:

Tablename	Records
Customers	91
Categories	9
Employees	10
OrderDetails	518
Orders	196
Products	77
Shippers	3
Suppliers	29

Restore Database

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← → ↻ w3schools.com/sql/trysql.asp?filename=trysql_select_distinct

SELECT * FROM Categories;

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 9

CategoryID	CategoryName	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal
6	Meat/Poultry	Prepared meats
7	Produce	Dried fruit and bean curd
8	Seafood	Seaweed and fish
9	Frozen Foods	French Fries, TV Dinners, Eggos

Customers 91

Categories 9

Employees 10

OrderDetails 518

Orders 196

Products 77

Shippers 3

Suppliers 29

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1. Delete the record that you just added to the *Categories* table.

SQL Statement:

```
DELETE FROM Categories WHERE CategoryName='Frozen Foods';
```

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Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

You have made changes to the database. Rows affected: 1

Your Database:

Tablename	Records
Customers	91
Categories	8
Employees	10
OrderDetails	518
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at w3schools.com

SELECT * FROM Categories;

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 8

CategoryID	CategoryName	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal
6	Meat/Poultry	Prepared meats
7	Produce	Dried fruit and bean curd
8	Seafood	Seaweed and fish