

## Your Database:

Tablename	Records
<u>Customers</u>	91
<u>Categories</u>	8
<u>Employees</u>	10
<u>OrderDetails</u>	518
<u>Orders</u>	196
<u>Products</u>	77
<u>Shippers</u>	3
<u>Suppliers</u>	29

### SQL Statement:

```
-- Initially Displaying the entire dataset  
SELECT * FROM Customers;
```

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	Martin Sommer	C/ Araquil, 67	Madrid	28023	Spain
9	Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France
10	Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blvd.	Tsawassen	T2F 8M4	Canada
11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK
12	Cactus Comidas para llevar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina
13	Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	México D.F.	05022	Mexico
14	Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland
15	Comércio Mineiro	Pedro Afonso	Av. dos Lusíadas, 23	São Paulo	05432-043	Brazil
16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK

## SQL Statement:

```
-- to sort the customer by country
select customerid, customername, country
from customers
order by country;
```

## SQL Statement:

```
-- to display customer name whose id is between 1 to 30
select customername
from customers
where customerid between 1 and 30
order by customerid
```

## Result:

Number of Records: 30

CustomerName
Alfreds Futterkiste
Ana Trujillo Emparedados y helados
Antonio Moreno Taquería
Around the Horn
Berglunds snabbköp
Blauer See Delikatessen
Blondel père et fils
Bólido Comidas preparadas
Bon app'
Bottom-Dollar Marketse
B's Beverages
Cactus Comidas para llevar
Centro comercial Moctezuma
Chop-suey Chinese
Comércio Mineiro
Consolidated Holdings
Drachenblut Delikatessend
Du monde entier
Eastern Connection
Ernst Handel
Familia Arquibaldo
FISSA Fabrica Inter. Salchichas S.A.
Folies gourmandes
Folk och fä HB
Frankenversand
France restauration
Franchi S.p.A.
Furia Bacalhau e Frutos do Mar
Galería del gastrónomo
Godos Cocina Típica

```
-- Display all the information which are in country UK and city London by contactname
```

```
select *  
from customers  
where country = 'UK' AND city = 'London'  
order by contactname
```

Result:

Number of Records: 6

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
19	Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK
16	Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK
72	Seven Seas Imports	Harl Kumar	90 Wadhurst Rd.	London	OX15 4NB	UK
53	North/South	Simon Crowther	South House 300 Queensbridge	London	SW7 1RZ	UK
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
11	B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK

```
-- similar for country Germany and city Berlin
```

```
select *  
from customers  
where country = 'Germany' AND city = 'Berlin'  
order by contactname;
```

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

Run SQL »

Result:

Number of Records: 1

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany

```
-- Display customer Blondel père et fils from france|
select * from customers
where (customerid between 1 and 20)
and city = 'Strasbourg';
```

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

Run SQL »

Result:

Number of Records: 1

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
7	Blondel père et fils	Frédérique Citeaux	24, place Kléber	Strasbourg	67000	France

```
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

```
-- Display category columns of beverages and grains and cereals
SELECT * FROM Categories
where categoryname = 'Grains/Cereals' or categoryname = 'Beverages'
order by categoryid;
```

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

Run SQL »

Result:

Number of Records: 2

CategoryID	CategoryName	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
5	Grains/Cereals	Breads, crackers, pasta, and cereal

```
-- Display 1st four items of table in alphanumeric order
SELECT * FROM Categories
where categoryid between 1 and 4
order by description;
```

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

Run SQL »

Result:

Number of Records: 4

CategoryID	CategoryName	Description
4	Dairy Products	Cheeses
3	Confections	Desserts, candies, and sweet breads
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings

```
-- Display 1st four items of table in numeric order
SELECT * FROM Categories
where categoryid between 1 and 4
order by categoryid;
```

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

Run SQL »

Result:

Number of Records: 4

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

```
-- Display the countries 'Mexico','Sweden','Canada', 'Austria', 'switzerland' only customer name wise
SELECT customername, city, country
FROM Customers
where country IN('Mexico','Sweden','Canada', 'Austria', 'switzerland')
-- names of columns and rows is case sensitive i.e why switzerland is not displayed since it is lowercase unlike the table representation
order by customername;
```

Number of Records: 12

CustomerName	City	Country
Ana Trujillo Emparedados y helados	México D.F.	Mexico
Antonio Moreno Taquería	México D.F.	Mexico
Berglunds snabbköp	Luleå	Sweden
Bottom-Dollar Marketse	Tsawassen	Canada
Centro comercial Moctezuma	México D.F.	Mexico
Ernst Handel	Graz	Austria
Folk och fä HB	Bräcke	Sweden
Laughing Bacchus Wine Cellars	Vancouver	Canada
Mère Paillarde	Montréal	Canada
Pericles Comidas clásicas	México D.F.	Mexico
Piccolo und mehr	Salzburg	Austria
Tortuga Restaurante	México D.F.	Mexico

```
-- Exclude the customers living in countries , 'Austria', 'switzerland', 'Brazil','UK','Germany','USA','France','Spain','Finland' and display
country wise
SELECT city, country
FROM Customers
where country NOT IN('Mexico', 'Sweden', 'Canada', 'Austria', 'Switzerland', 'Brazil', 'UK', 'Germany', 'USA', 'France', 'Spain', 'Finland')
order by country;
```

```
-- Exclude the customers living in countries , 'Austria', 'switzerland', 'Brazil','UK' and display country wise with a limit of 10
SELECT city, country
FROM Customers
where country NOT IN('Mexico', 'Sweden', 'Canada', 'Austria', 'Switzerland', 'Brazil', 'UK')
order by country
limit 10;
```

Number of Records: 10

City	Country
Buenos Aires	Argentina
Buenos Aires	Argentina
Buenos Aires	Argentina
Bruxelles	Belgium
Charleroi	Belgium
København	Denmark
Århus	Denmark
Oulu	Finland
Helsinki	Finland
Strasbourg	France



```
--display cumstomer name and country in upper case
SELECT upper(customername), upper(city) AS customername, city
from customers
order by customerid;
```

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

Run SQL »

Result:

Number of Records: 91

upper(Customername)	customername	City
ALFREDS FUTTERKISTE	BERLIN	Berlin
ANA TRUJILLO EMPAREADOS Y HELADOS	MÉXICO D.F.	México D.F.
ANTONIO MORENO TAQUERÍA	MÉXICO D.F.	México D.F.
AROUND THE HORN	LONDON	London
BERGLUNDS SNABBKÖP	LULEÅ	Luleå

```
-- display the sum of orders|
select sum(quantity) from orderdetails
```

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

Run SQL »

Result:

Number of Records: 1

sum(quantity)
12743

```
-- display the sum of orders and quantity intersection
select sum(orderid) and sum(quantity) from orderdetails
```

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

Run SQL »

Result:

Number of Records: 1

**sum(orderid) and sum(quantity)**

1

```
-- display the quantities which are greater than 80
SELECT * FROM OrderDetails
where quantity >= 80
order by orderdetailid
```

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

Run SQL »

Result:

Number of Records: 8

OrderDetailID	OrderID	ProductID	Quantity
103	10286	35	100
201	10324	63	80
262	10345	19	80
298	10359	60	80
335	10373	58	80
401	10398	55	120
512	10440	61	90
515	10442	54	80

```
-- merge two tables namely categories and shippers order by category id in descending order without duplicates
SELECT * FROM Categories
union
SELECT * FROM shippers
order by categoryid
desc
```

Number of Records: 11

CategoryID	CategoryName	Description
8	Seafood	Seaweed and fish
7	Produce	Dried fruit and bean curd
6	Meat/Poultry	Prepared meats
5	Grains/Cereals	Breads, crackers, pasta, and cereal
4	Dairy Products	Cheeses
3	Confections	Desserts, candies, and sweet breads
3	Federal Shipping	(503) 555-9931
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
2	United Package	(503) 555-3199
1	Beverages	Soft drinks, coffees, teas, beers, and ales
1	Speedy Express	(503) 555-9831