AND, OR, NOT

AND:交集,顯示同時符合多個條件的資料

NOT:差集,顯示<mark>不符合</mark>某條件的資料

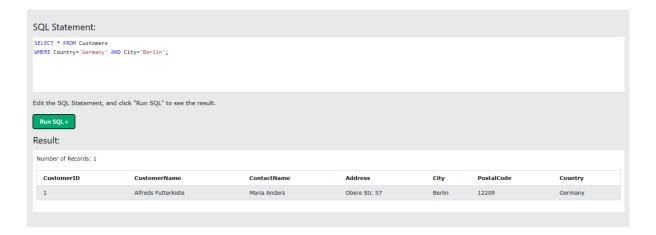
OR:聯集,<mark>只要符合條件</mark>的資料都會顯示出來

AND

SELECT * FROM Customers

WHERE Country='Germany' AND City='Berlin';

下圖中,顯示Country列中含'Germany' 和 City列中含'Berlin' 的資料



NOT

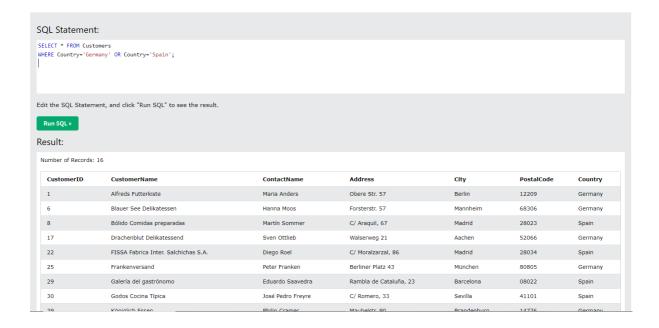
```
SELECT * FROM Customers
WHERE NOT Country='Germany';
#下圖中,只顯示Country列中不含'Germany' 的資料
```

```
SQL Statement:
SELECT * FROM Customers
WHERE NOT Country='Germany';
Edit the SQL Statement, and click "Run SQL" to see the result.
Number of Records: 80
                                             ContactName
                                                                Address
                                                                                                                       PostalCode
2 Ana Trujillo Emparedados y helados Ana Trujillo Avda. de la Constitución 2222
                                                                                                         México D.F. 05021 Mexico
                                    Antonio Moreno
 3
           Antonio Moreno Taguería
                                                              Mataderos 2312
                                                                                                         México D.F.
                                                                                                                      05023
                                                                                                                                  Mexico
4 Around the Horn Thomas Hardy 120 Hanover Sq.
                                                                                                         London WA1 1DP UK
           Berglunds snabbköp
 5
                                  Christina Berglund
                                                               Berguvsvägen 8
                                                                                                         Luleå
                                                                                                                      S-958 22
                                                                                                                                  Sweden
7 Blondel père et fils Frédérique Citeaux 24, place Kléber
                                                                                                         Strasbourg 67000 France
           Bólido Comidas preparadas Martín Sommer C/ Araquil, 67

Bon app' Laurence Lebihans 12, rue des Bouchers
 8
                                                                                                         Madrid
                                                                                                                      28023
                                                                                                                                  Spain
9
       Bon app'
                                                                                                         Marseille 13008 France
       Bottom-Dollar Marketse Elizabeth Lincoln 23 Tsawassen Blvd
B's Beverages Victoria Ashworth Fauntleroy Circus
 10
                                                               23 Tsawassen Blvd.
                                                                                                                      T2F 8M4
                                                                                                         London
 11
                                                                                                                      EC2 5NT
                                                                                                                                  UK
 12
              Cactus Comidas para llevar Patricio Simpson
                                                                                                                      1010 Argentina
```

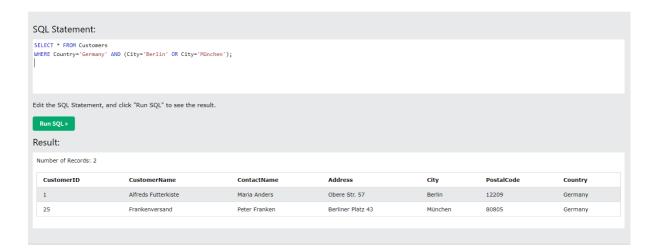
OR

```
SELECT * FROM Customers
WHERE Country='Germany' OR Country='Spain';
#下圖中,顯示Country列中含'Germany' 或是'Spain' 的資料
```



AND,OR,NOT 指令結合

```
SELECT * FROM Customers
WHERE Country='Germany' AND (City='Berlin' OR City='München');
# 顯示出 Country列是'Germany' 和 City列中'Berlin' 或是 'München' 的資料
```



SELECT * FROM Customers WHERE NOT Country='Germany' AND NOT Country='USA';

顯示出 Country列中 不是 'Germany' 和 不是 'USA' 的資料

SQL Statement:

SELECT * FROM Customers
WHERE NOT Country='Germany' AND NOT Country='USA';

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

Run SQL »

Result:

Number of Records: 67

umber of xecords: 67						
CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
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
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
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	Fauntieroy 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