

```

SELECT name FROM master.dbo.sysdatabases
IF db_id('Northwind') IS NOT NULL
BEGIN
SELECT 'database does exist'
END
ELSE
BEGIN
SELECT 'database does not exist'
END

```

--Truy van danh sach cac Customer

```
SELECT * FROM Customer
```

Results		Messages				
	Id	FirstName	LastName	City	Country	Phone
1	1	Maria	Anders	Berlin	Germany	030-0074321
2	2	Ana	Trujillo	México D.F.	Mexico	(5) 555-4729
3	3	Antonio	Moreno	México D.F.	Mexico	(5) 555-3932
4	4	Thomas	Hardy	London	UK	(171) 555-7788
5	5	Christina	Berglund	Luleå	Sweden	0921-12 34 65
6	6	Hanna	Moos	Mannheim	Germany	0621-08460
7	7	Frédérique	Citeaux	Strasbourg	France	88.60.15.31
8	8	Martin	Sommer	Madrid	Spain	(91) 555 22 82
9	9	Laurence	Lebihan	Marseille	France	91.24.45.40
10	10	Elizabeth	Lincoln	Tsawassen	Canada	(604) 555-4729
11	11	Victoria	Ashworth	London	UK	(171) 555-1212
12	12	Patricio	Simpson	Buenos Ai...	Argenti...	(1) 135-5555
13	13	Francisco	Chang	México D.F.	Mexico	(5) 555-3392
14	14	Yang	Wang	Bern	Switzer...	0452-076545
15	15	Pedro	Afonso	Sao Paulo	Brazil	(11) 555-7647
16	16	Elizabeth	Brown	London	UK	(171) 555-2282
17	17	Sven	Ottlieb	Aachen	Germany	0241-039123
18	18	Janine	Labrun	Nantes	France	40.67.88.88
19	19	Ann	Devon	London	UK	(171) 555-0297
20	20	Roland	Mendel	Graz	Austria	7675-3425
21	21	Aria	Cruz	Sao Paulo	Brazil	(11) 555-9857
22	22	Diego	Roel	Madrid	Spain	(91) 555 94 44
23	23	Martine	Rancé	Lille	France	20.16.10.16
24	24	Maria	Larsson	Bräcke	Sweden	0695-34 67 21
25	25	Peter	Franken	München	Germany	089-0877310

26	26	Carine	Schmitt	Nantes	France	40.32.21.21
27	27	Paolo	Accorti	Torino	Italy	011-4988260
28	28	Lino	Rodriguez	Lisboa	Portugal	(1) 354-2534
29	29	Eduardo	Saavedra	Barcelona	Spain	(93) 203 4560
30	30	José	Pedro Fr...	Sevilla	Spain	(95) 555 82 82
31	31	André	Fonseca	Campinas	Brazil	(11) 555-9482
32	32	Howard	Snyder	Eugene	USA	(503) 555-7555
33	33	Manuel	Pereira	Caracas	Venez...	(2) 283-2951
34	34	Mario	Pontes	Rio de Ja...	Brazil	(21) 555-0091
35	35	Carlos	Hemán...	San Cristó...	Venez...	(5) 555-1340
36	36	Yoshi	Latimer	Elgin	USA	(503) 555-6874
37	37	Patricia	McKenna	Cork	Ireland	2967 542
38	38	Helen	Bennett	Cowes	UK	(198) 555-8888
39	39	Philip	Cramer	Brandenb...	Germany	0555-09876
40	40	Daniel	Tonini	Versailles	France	30.59.84.10
41	41	Annette	Roulet	Toulouse	France	61.77.61.10
42	42	Yoshi	Tannam...	Vancouver	Canada	(604) 555-3392
43	43	John	Steel	Walla Walla	USA	(509) 555-7969
44	44	Renate	Messner	Frankfurt ...	Germany	069-0245984
45	45	Jaime	Yorres	San Franc...	USA	(415) 555-5938
46	46	Carlos	González	Barquisim...	Venez...	(9) 331-6954
47	47	Felipe	Izquierdo	I. de Marg...	Venez...	(8) 34-56-12
48	48	Fran	Wilson	Portland	USA	(503) 555-9573
49	49	Giovanni	Rovelli	Bergamo	Italy	035-640230
50	50	Catherine	Dewey	Bruxelles	Belgium	(02) 201 24 67

51	51	Jean	Fresnière	Montréal	Canada	(514) 555-8054
52	52	Alexander	Feuer	Leipzig	Germany	0342-023176
53	53	Simon	Crowther	London	UK	(171) 555-7733
54	54	Yvonne	Moncada	Buenos Ai...	Argenti...	(1) 135-5333
55	55	Rene	Phillips	Anchorage	USA	(907) 555-7584
56	56	Henriette	Pfalzheim	Köln	Germany	0221-0644327
57	57	Marie	Bertrand	Paris	France	(1) 42.34.22.66
58	58	Guillermo	Femánd...	México D.F.	Mexico	(5) 552-3745
59	59	Georg	Pipps	Salzburg	Austria	6562-9722
60	60	Isabel	de Castro	Lisboa	Portugal	(1) 356-5634
61	61	Bernardo	Batista	Rio de Ja...	Brazil	(21) 555-4252
62	62	Lúcia	Carvalho	Sao Paulo	Brazil	(11) 555-1189
63	63	Horst	Kloss	Cunewalde	Germany	0372-035188
64	64	Sergio	Gutiérrez	Buenos Ai...	Argenti...	(1) 123-5555
65	65	Paula	Wilson	Albuquerque...	USA	(505) 555-5939
66	66	Maurizio	Moroni	Reggio E...	Italy	0522-556721
67	67	Janete	Limeira	Rio de Ja...	Brazil	(21) 555-3412
68	68	Michael	Holz	Genève	Switzer...	0897-034214
69	69	Alejandra	Camino	Madrid	Spain	(91) 745 6200
70	70	Jonas	Bergulfs...	Stavem	Norway	07-98 92 35
71	71	Jose	Pavarotti	Boise	USA	(208) 555-8097
72	72	Hari	Kumar	London	UK	(171) 555-1717
73	73	Jytte	Petersen	Kobenhavn	Denmark	31 12 34 56
74	74	Dominique	Perrier	Paris	France	(1) 47.55.60.10
75	75	Art	Braunsc...	Lander	USA	(307) 555-4680

76	76	Pascale	Cartrain	Charleroi	Belgium	(071) 23 67 2...
77	77	Liz	Nixon	Portland	USA	(503) 555-3612
78	78	Liu	Wong	Butte	USA	(406) 555-5834
79	79	Karin	Josephs	Münster	Germany	0251-031259
80	80	Miguel	Angel P...	México D.F.	Mexico	(5) 555-2933
81	81	Anabela	Doming...	Sao Paulo	Brazil	(11) 555-2167
82	82	Helvetius	Nagy	Kirkland	USA	(206) 555-8257
83	83	Palle	Ibsen	Århus	Denmark	86 21 32 43
84	84	Mary	Saveley	Lyon	France	78.32.54.86
85	85	Paul	Henriot	Reims	France	26.47.15.10
86	86	Rita	Müller	Stuttgart	Germany	0711-020361
87	87	Pirkko	Koskitalo	Oulu	Finland	981-443655
88	88	Paula	Parente	Resende	Brazil	(14) 555-8122
89	89	Karl	Jablonski	Seattle	USA	(206) 555-4112
90	90	Matti	Karttunen	Helsinki	Finland	90-224 8858
91	91	Zbyszek	Piast...	Warszawa	Poland	(26) 642-7012

```
--Truy vấn danh sách các Customer theo các thông tin Id, FullName (là kết hợp FirstName-LastName), City, Country
SELECT Id,
CONCAT(FirstName, ' ', LastName) AS 'FullName', City, Country
FROM Customer;
```

	Id	FullName	City	Country
1	1	Maria Anders	Berlin	Germany
2	2	Ana Trujillo	México D.F.	Mexico
3	3	Antonio Moreno	México D.F.	Mexico
4	4	Thomas Hardy	London	UK
5	5	Christina Berglund	Luleå	Sweden
6	6	Hanna Moos	Mannheim	Germany
7	7	Frédérique Citeaux	Strasbourg	France
8	8	Martin Sommer	Madrid	Spain
9	9	Laurence Lebihan	Marseille	France
10	10	Elizabeth Lincoln	Tsawassen	Canada
11	11	Victoria Ashworth	London	UK
12	12	Patricio Simpson	Buenos Ai...	Argenti...
13	13	Francisco Chang	México D.F.	Mexico
14	14	Yang Wang	Bern	Switzer...
15	15	Pedro Afonso	Sao Paulo	Brazil
16	16	Elizabeth Brown	London	UK
17	17	Sven Ottlieb	Aachen	Germany
18	18	Janine Labrune	Nantes	France
19	19	Ann Devon	London	UK
20	20	Roland Mendel	Graz	Austria
21	21	Aria Cruz	Sao Paulo	Brazil
22	22	Diego Roel	Madrid	Spain

23	23	Martine Rancé	Lille	France
24	24	Maria Larsson	Bräcke	Sweden
25	25	Peter Franken	München	Germany
26	26	Carine Schmitt	Nantes	France
27	27	Paolo Accorti	Torino	Italy
28	28	Lino Rodriguez	Lisboa	Portugal
29	29	Eduardo Saavedra	Barcelona	Spain
30	30	José Pedro Freyre	Sevilla	Spain
31	31	André Fonseca	Campinas	Brazil
32	32	Howard Snyder	Eugene	USA
33	33	Manuel Pereira	Caracas	Venez...
34	34	Mario Pontes	Rio de Ja...	Brazil
35	35	Carlos Hernández	San Cristó...	Venez...
36	36	Yoshi Latimer	Elgin	USA
37	37	Patricia McKenna	Cork	Ireland
38	38	Helen Bennett	Cowes	UK
39	39	Philip Cramer	Brandenb...	Germany
40	40	Daniel Tonini	Versailles	France
41	41	Annette Roulet	Toulouse	France
42	42	Yoshi Tannamuri	Vancouver	Canada
43	43	John Steel	Walla Walla	USA
44	44	Renate Messner	Frankfurt ...	Germany

45	45	Jaime Yorres	San Franc...	USA
46	46	Carlos González	Barquisim...	Venez...
47	47	Felipe Izquierdo	I. de Marg...	Venez...
48	48	Fran Wilson	Portland	USA
49	49	Giovanni Rovelli	Bergamo	Italy
50	50	Catherine Dewey	Bruxelles	Belgium
51	51	Jean Fresnière	Montréal	Canada
52	52	Alexander Feuer	Leipzig	Germany
53	53	Simon Crowther	London	UK
54	54	Yvonne Moncada	Buenos Ai...	Argenti...
55	55	Rene Phillips	Anchorage	USA
56	56	Henriette Pfalzheim	Köln	Germany
57	57	Marie Bertrand	Paris	France
58	58	Guillermo Fernández	México D.F.	Mexico
59	59	Georg Pippis	Salzburg	Austria
60	60	Isabel de Castro	Lisboa	Portugal
61	61	Bernardo Batista	Rio de Ja...	Brazil
62	62	Lúcia Carvalho	Sao Paulo	Brazil
63	63	Horst Kloss	Cunewalde	Germany
64	64	Sergio Gutiérrez	Buenos Ai...	Argenti...
65	65	Paula Wilson	Albuquerq...	USA
66	66	Maurizio Moroni	Reggio E...	Italy

67	67	Janete Limeira	Rio de Ja...	Brazil
68	68	Michael Holz	Genève	Switzer...
69	69	Alejandra Camino	Madrid	Spain
70	70	Jonas Bergulfsen	Stavem	Norway
71	71	Jose Pavarotti	Boise	USA
72	72	Hari Kumar	London	UK
73	73	Jytte Petersen	Kobenhavn	Denmark
74	74	Dominique Perrier	Paris	France
75	75	Art Braunschweiger	Lander	USA
76	76	Pascale Cartrain	Charleroi	Belgium
77	77	Liz Nixon	Portland	USA
78	78	Liu Wong	Butte	USA
79	79	Karin Josephs	Münster	Germany
80	80	Miguel Angel Paolino	México D.F.	Mexico
81	81	Anabela Domingues	Sao Paulo	Brazil
82	82	Helvetius Nagy	Kirkland	USA
83	83	Palle Ibsen	Århus	Denmark
84	84	Mary Saveley	Lyon	France
85	85	Paul Henriot	Reims	France
86	86	Rita Müller	Stuttgart	Germany
87	87	Pirkko Koskitalo	Oulu	Finland
88	88	Paula Parente	Resende	Brazil

89	89	Karl Jablonski	Seattle	USA
90	90	Matti Karttunen	Helsinki	Finland
91	91	Zbyszek Piestrzeni...	Warszawa	Poland

--Cho biết có bao nhiêu khách hàng từ Germany và UK, đó là những khách hàng nào

```
SELECT * FROM Customer
WHERE Country IN ('Germany','UK')
```

	Id	FirstName	LastName	City	Country	Phone
1	1	Maria	Anders	Berlin	Germany	030-0074321
2	4	Thomas	Hardy	London	UK	(171) 555-7788
3	6	Hanna	Moos	Mannheim	Germany	0621-08460
4	11	Victoria	Ashworth	London	UK	(171) 555-1212
5	16	Elizabeth	Brown	London	UK	(171) 555-2282
6	17	Sven	Ottlieb	Aachen	Germany	0241-039123
7	19	Ann	Devon	London	UK	(171) 555-0297
8	25	Peter	Franken	München	Germany	089-0877310
9	38	Helen	Bennett	Cowes	UK	(198) 555-8888
10	39	Philip	Cramer	Brandenburg	Germany	0555-09876
11	44	Renate	Messner	Frankfurt a.M.	Germany	069-0245984
12	52	Alexander	Feuer	Leipzig	Germany	0342-023176
13	53	Simon	Crowther	London	UK	(171) 555-7733
14	56	Henriette	Pfalzheim	Köln	Germany	0221-0644327
15	63	Horst	Kloss	Cunewalde	Germany	0372-035188
16	72	Hari	Kumar	London	UK	(171) 555-1717
17	79	Karin	Josephs	Münster	Germany	0251-031259
18	86	Rita	Müller	Stuttgart	Germany	0711-020361

--Liệt kê danh sách khách hàng theo thứ tự tăng dần của FirstName và giảm dần của Country

```
SELECT * FROM Customer
ORDER BY FirstName ASC, Country DESC;
```

	Id	FirstName	LastName	City	Country	Phone
1	69	Alejandra	Camino	Madrid	Spain	(91) 745 6200
2	52	Alexander	Feuer	Leipzig	Germany	0342-023176
3	2	Ana	Trujillo	México D.F.	Mexico	(5) 555-4729
4	81	Anabela	Doming...	Sao Paulo	Brazil	(11) 555-2167
5	31	André	Fonseca	Campinas	Brazil	(11) 555-9482
6	19	Ann	Devon	London	UK	(171) 555-0...
7	41	Annette	Roulet	Toulouse	France	61.77.61.10
8	3	Antonio	Moreno	México D.F.	Mexico	(5) 555-3932
9	21	Aria	Cruz	Sao Paulo	Brazil	(11) 555-9857
10	75	Art	Braunsc...	Lander	USA	(307) 555-4...
11	61	Bernardo	Batista	Rio de Jan...	Brazil	(21) 555-4252
12	26	Carine	Schmitt	Nantes	France	40.32.21.21
13	35	Carlos	Hemán...	San Cristó...	Venezuela	(5) 555-1340
14	46	Carlos	González	Barquisimeto	Venezuela	(9) 331-6954
15	50	Catherine	Dewey	Bruxelles	Belgium	(02) 201 24 ...
16	5	Christina	Berglund	Luleå	Sweden	0921-12 34 ...
17	40	Daniel	Tonini	Versailles	France	30.59.84.10
18	22	Diego	Roel	Madrid	Spain	(91) 555 94 ...
19	74	Dominiq...	Perier	Paris	France	(1) 47.55.60...
20	29	Eduardo	Saavedra	Barcelona	Spain	(93) 203 4560
21	16	Elizabeth	Brown	London	UK	(171) 555-2...
22	10	Elizabeth	Lincoln	Tsawassen	Canada	(604) 555-4...
23	47	Felipe	Izquierdo	I. de Marg...	Venezuela	(8) 34-56-12
24	48	Fran	Wilson	Portland	USA	(503) 555-9...

25	13	Francisco	Chang	México D.F.	Mexico	(5) 555-3392
26	7	Frédériq...	Citeaux	Strasbourg	France	88.60.15.31
27	59	Georg	Pipps	Salzburg	Austria	6562-9722
28	49	Giovanni	Rovelli	Bergamo	Italy	035-640230
29	58	Guillermo	Fernánd...	México D.F.	Mexico	(5) 552-3745
30	6	Hanna	Moos	Mannheim	Germany	0621-08460
31	72	Hari	Kumar	London	UK	(171) 555-1...
32	38	Helen	Bennett	Cowes	UK	(198) 555-8...
33	82	Helvetius	Nagy	Kirkland	USA	(206) 555-8...
34	56	Henriette	Pfalzheim	Köln	Germany	0221-06443...
35	63	Horst	Kloss	Cunewalde	Germany	0372-035188
36	32	Howard	Snyder	Eugene	USA	(503) 555-7...
37	60	Isabel	de Castro	Lisboa	Portugal	(1) 356-5634
38	45	Jaime	Yorres	San Franci...	USA	(415) 555-5...
39	67	Janete	Limeira	Rio de Jan...	Brazil	(21) 555-3412
40	18	Janine	Labrune	Nantes	France	40.67.88.88
41	51	Jean	Fresnière	Montréal	Canada	(514) 555-8...
42	43	John	Steel	Walla Walla	USA	(509) 555-7...
43	70	Jonas	Bergulfs...	Stavem	Norway	07-98 92 35
44	71	Jose	Pavarotti	Boise	USA	(208) 555-8...
45	30	José	Pedro Fr...	Sevilla	Spain	(95) 555 82 ...
46	73	Jytte	Petersen	Kobenhavn	Denmark	31 12 34 56
47	79	Karin	Josephs	Münster	Germany	0251-031259
48	89	Karl	Jablonski	Seattle	USA	(206) 555-4...

49	9	Laurence	Lebihan	Marseille	France	91.24.45.40
50	28	Lino	Rodriguez	Lisboa	Portugal	(1) 354-2534
51	78	Liu	Wong	Butte	USA	(406) 555-5...
52	77	Liz	Nixon	Portland	USA	(503) 555-3...
53	62	Lúcia	Carvalho	Sao Paulo	Brazil	(11) 555-1189
54	33	Manuel	Pereira	Caracas	Venezuela	(2) 283-2951
55	24	Maria	Larsson	Bräcke	Sweden	0695-34 67 ...
56	1	Maria	Anders	Berlin	Germany	030-0074321
57	57	Marie	Bertrand	Paris	France	(1) 42.34.22...
58	34	Mario	Pontes	Rio de Jan...	Brazil	(21) 555-0091
59	8	Martín	Sommer	Madrid	Spain	(91) 555 22 ...
60	23	Martine	Rancé	Lille	France	20.16.10.16
61	84	Mary	Saveley	Lyon	France	78.32.54.86
62	90	Matti	Karttunen	Helsinki	Finland	90-224 8858
63	66	Maurizio	Moroni	Reggio Em...	Italy	0522-556721
64	68	Michael	Holz	Genève	Switzerland	0897-034214
65	80	Miguel	Angel P...	México D.F.	Mexico	(5) 555-2933
66	83	Palle	Ibsen	Århus	Denmark	86 21 32 43
67	27	Paolo	Accorti	Torino	Italy	011-4988260
68	76	Pascale	Cartrain	Charleroi	Belgium	(071) 23 67 ...
69	37	Patricia	McKenna	Cork	Ireland	2967 542
70	12	Patricio	Simpson	Buenos Air...	Argentina	(1) 135-5555
71	85	Paul	Henriot	Reims	France	26.47.15.10
72	65	Paula	Wilson	Albuquerque	USA	(505) 555-5...

73	88	Paula	Parente	Resende	Brazil	(14) 555-8122
74	15	Pedro	Afonso	Sao Paulo	Brazil	(11) 555-7647
75	25	Peter	Franken	München	Germany	089-0877310
76	39	Philip	Cramer	Brandenburg	Germany	0555-09876
77	87	Pirkko	Koskitalo	Oulu	Finland	981-443655
78	44	Renate	Messner	Frankfurt a...	Germany	069-0245984
79	55	Rene	Phillips	Anchorage	USA	(907) 555-7...
80	86	Rita	Müller	Stuttgart	Germany	0711-020361
81	20	Roland	Mendel	Graz	Austria	7675-3425
82	64	Sergio	Gutiérrez	Buenos Air...	Argentina	(1) 123-5555
83	53	Simon	Crowther	London	UK	(171) 555-7...
84	17	Sven	Ottlieb	Aachen	Germany	0241-039123
85	4	Thomas	Hardy	London	UK	(171) 555-7...
86	11	Victoria	Ashworth	London	UK	(171) 555-1...
87	14	Yang	Wang	Bern	Switzerland	0452-076545
88	36	Yoshi	Latimer	Elgin	USA	(503) 555-6...
89	42	Yoshi	Tannam...	Vancouver	Canada	(604) 555-3...
90	54	Yvonne	Moncada	Buenos Air...	Argentina	(1) 135-5333
91	91	Zbyszek	Piestrze...	Warszawa	Poland	(26) 642-7012

--Truy vấn danh sách các khách hàng danh với Id là 5,10

```
SELECT * FROM Customer  
WHERE Id = 5 or Id = 10;
```

	Id	FirstName	LastName	City	Country	Phone
1	5	Christina	Berglund	Luleå	Sweden	0921-12 34 65
2	10	Elizabeth	Lincoln	Tsawassen	Canada	(604) 555-47...

--Truy vấn danh sách các khách hàng danh với Id là 1-10

```
SELECT TOP 10 * FROM Customer
```

	Id	FirstName	LastName	City	Country	Phone
1	1	Maria	Anders	Berlin	Germany	030-0074321
2	2	Ana	Trujillo	Mexico D.F.	Mexico	(5) 555-4729
3	3	Antonio	Moreno	México D.F.	Mexico	(5) 555-3932
4	4	Thomas	Hardy	London	UK	(171) 555-7788
5	5	Christina	Berglund	Luleå	Sweden	0921-12 34 65
6	6	Hanna	Moos	Mannheim	Germany	0621-08460
7	7	Frédérique	Citeaux	Strasbourg	France	88.60.15.31
8	8	Martin	Sommer	Madrid	Spain	(91) 555 22 82
9	9	Laurence	Lebihan	Marseille	France	91.24.45.40
10	10	Elizabeth	Lincoln	Tsawassen	Canada	(604) 555-4729

--Truy vấn danh sách các khách hàng danh với Id là 5-10

```
SELECT * FROM Customer  
ORDER BY Id OFFSET 4 ROWS FETCH NEXT 6 ROWS ONLY;
```

	Id	FirstName	LastName	City	Country	Phone
1	5	Christina	Berglund	Luleå	Sweden	0921-12 34 65
2	6	Hanna	Moos	Mannheim	Germany	0621-08460
3	7	Frédérique	Citeaux	Strasbourg	France	88.60.15.31
4	8	Martin	Sommer	Madrid	Spain	(91) 555 22 82
5	9	Laurence	Lebihan	Marseille	France	91.24.45.40
6	10	Elizabeth	Lincoln	Tsawassen	Canada	(604) 555-4729

--Truy vấn các khách hàng ở sản phẩm(Product) mà đóng gói dưới dạng bottles có giá từ 15 đến 20 mà không từ nhà cung cấp có Id là 16

```
SELECT * FROM Product  
WHERE Package LIKE '%bottles%' AND UnitPrice BETWEEN 15 AND 20 AND SupplierId != 16;
```

	Id	ProductName	SupplierId	UnitPrice	Package	IsDiscontinued
1	2	Chang	1	19.00	24 - 12 oz bottles	0
2	15	Genen Shouyu	6	15.50	24 - 250 ml bottles	0
3	70	Outback Lager	7	15.00	24 - 355 ml bottles	0