

```

2 | ---cau1|
3 | SELECT *
4 | FROM
5 | (
6 |     SELECT RowNum, Id, ProductName, SupplierId, UnitPrice, Package,
7 |           IsDiscontinued, MAX(RowNum) OVER (ORDER BY (SELECT 1)) AS RowLast
8 |     FROM(
9 |         SELECT ROW_NUMBER() OVER (ORDER BY UnitPrice) AS RowNum,
10 |              Id, ProductName, SupplierId, UnitPrice, Package,
11 |              IsDiscontinued
12 |         FROM Product
13 |     ) AS DerivedTable
14 | ) Report
15 | WHERE Report.RowNum >= 0.2 * RowLast

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100 %

Results Messages

	RowNum	Id	ProductName	SupplierId	UnitPrice	Package	IsDiscontinued	RowLast
1	16	46	Spegesild	21	12.00	4 - 450 g glasses	0	78
2	17	68	Scottish Longbreads	8	12.50	10 boxes x 8 pieces	0	78
3	18	31	Gorgonzola Telino	14	12.50	12 - 100 g pkgs	0	78
4	19	48	Chocolade	22	12.75	10 pkgs.	0	78
5	20	77	Original Frankfurter grüne Soße	12	13.00	12 boxes	0	78
6	21	58	Escargots de Bourgogne	27	13.25	24 pieces	0	78
7	22	67	Laughing Lumberjack Lager	16	14.00	24 - 12 oz bottles	0	78
8	23	42	Singaporean Hokkien Fried Mee	20	14.00	32 - 1 kg pkgs.	1	78
9	24	34	Sasquatch Ale	16	14.00	24 - 12 oz bottles	0	78
10	25	25	NuNuCa Nuß-Nougat-Creme	11	14.00	20 - 450 g glasses	0	78
11	26	73	Röd Kaviar	17	15.00	24 - 150 g jars	0	78
12	27	70	Outback Lager	7	15.00	24 - 355 ml bottles	0	78
13	28	15	Genen Shouyu	6	15.50	24 - 250 ml bottles	0	78
14	29	50	Valkoinen suklaa	23	16.25	12 - 100 g bars	0	78
15	30	66	Louisiana Hot Spiced Okra	2	17.00	24 - 8 oz jars	0	78
16	31	16	Pavlova	7	17.45	32 - 500 g boxes	0	78
17	32	1	Chai	1	18.00	10 boxes x 20 bags	0	78
18	33	35	Steeleye Stout	16	18.00	24 - 12 oz bottles	0	78
19	34	39	Chartreuse verte	18	18.00	750 cc per bottle	0	78
20	35	76	Lakkalikööri	23	18.00	500 ml	0	78
21	36	40	Boston Crab Meat	19	18.40	24 - 4 oz tins	0	78
22	37	36	Inlagd Sill	17	19.00	24 - 250 g jars	0	78
23	38	2	Chang	1	19.00	24 - 12 oz bottles	0	78
24	39	44	Gula Malacca	20	19.45	20 - 2 kg bags	0	78
25	40	57	Ravioli Angelo	26	19.50	24 - 250 g pkgs.	0	78
26	41	49	Maxilaku	23	20.00	24 - 50 g pkgs.	0	78
27	42	11	Queso Cabrales	5	21.00	1 kg pkg.	0	78
28	43	22	Gustaf's Knäckebröd	9	21.00	24 - 500 g pkgs.	0	78
29	44	65	Louisiana Fiery Hot Pepper Sa...	2	21.05	32 - 8 oz bottles	0	78

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18 ---cau2
19 SELECT OrderId, Id, ProductName, UnitPrice, Package, Quantity, STR([Percent],5,2) + '%' AS [Percent]
20 FROM
21 (
22     SELECT O.OrderId, P.Id, P.ProductName, P.UnitPrice, P.Package, O.Quantity,
23     CAST(O.Quantity AS DECIMAL(5,2))*100/ (SUM(O.Quantity) OVER (PARTITION BY O.OrderId)) AS [Percent]
24     FROM OrderItem AS O
25     INNER JOIN Product AS P ON O.ProductId = P.Id
26 ) Report
27 ORDER BY Report.OrderId
28

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100 %

Results Messages

	OrderId	Id	ProductName	UnitPrice	Package	Quantity	Percent
1	1	11	Queso Cabrales	21.00	1 kg pkg.	12	44.44%
2	1	42	Singaporean Hokkien Fried Mee	14.00	32 - 1 kg pkgs.	10	37.04%
3	1	72	Mozzarella di Giovanni	34.80	24 - 200 g pkgs.	5	18.52%
4	2	14	Tofu	23.25	40 - 100 g pkgs.	9	18.37%
5	2	51	Manjimup Dried Apples	53.00	50 - 300 g pkgs.	40	81.63%
6	3	41	Jack's New England Clam Chowder	9.65	12 - 12 oz cans	10	16.67%
7	3	51	Manjimup Dried Apples	53.00	50 - 300 g pkgs.	35	58.33%
8	3	65	Louisiana Fiery Hot Pepper Sauce	21.05	32 - 8 oz bottles	15	25.00%
9	4	22	Gustaf's Knäckebröd	21.00	24 - 500 g pkgs.	6	14.63%
10	4	57	Ravioli Angelo	19.50	24 - 250 g pkgs.	15	36.59%
11	4	65	Louisiana Fiery Hot Pepper Sauce	21.05	32 - 8 oz bottles	20	48.78%
12	5	20	Sir Rodney's Marmalade	81.00	30 gift boxes	40	38.10%
13	5	33	Geitost	2.50	500 g	25	23.81%
14	5	60	Camembert Pierrot	34.00	15 - 300 g rounds	40	38.10%
15	6	31	Gorgonzola Telino	12.50	12 - 100 g pkgs	20	19.61%
16	6	39	Chartreuse verte	18.00	750 cc per bottle	42	41.18%
17	6	49	Maxilaku	20.00	24 - 50 g pkgs.	40	39.22%
18	7	24	Guaraná Fantástica	4.50	12 - 355 ml cans	15	26.32%
19	7	55	Pâté chinois	24.00	24 boxes x 2 pies	21	36.84%
20	7	74	Longlife Tofu	10.00	5 kg pkg.	21	36.84%
21	8	2	Chang	19.00	24 - 12 oz bottles	20	18.18%
22	8	16	Pavlova	17.45	32 - 500 g boxes	35	31.82%
23	8	36	Inlagd Sill	19.00	24 - 250 g jars	25	22.73%
24	8	59	Raclette Courdavault	55.00	5 kg pkg.	30	27.27%
25	9	53	Perth Pasties	32.80	48 pieces	15	55.56%
26	9	77	Original Frankfurter grüne Soße	13.00	12 boxes	12	44.44%
27	10	27	Schoggi Schokolade	43.90	100 - 100 g pieces	25	54.35%
28	10	39	Chartreuse verte	18.00	750 cc per bottle	6	13.04%
29	10	77	Original Frankfurter grüne Soße	13.00	12 boxes	15	32.61%

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29 | ---cau3
30 | IF EXISTS(SELECT * FROM INFORMATION_SCHEMA.TABLES
31 |           WHERE TABLE_NAME = N'Company')
32 | BEGIN
33 |     DROP TABLE Company
34 | END
35 |
36 |
37 |
38 | SELECT Id, CompanyName,
39 |        (CASE Country
40 |         WHEN 'USA' THEN 'USA'
41 |         WHEN 'UK' THEN 'UK'
42 |         WHEN 'France' THEN 'France'
43 |         WHEN 'Germany' THEN 'Germany'
44 |         ELSE 'Other'
45 |        END) AS Country INTO Company
46 | FROM Supplier
47 |
48 |
49 | SELECT C.Id, C.CompanyName,
50 |        ISNULL(C.[USA],0) AS [USA],
51 |        ISNULL(C.[UK],0) AS [UK],
52 |        ISNULL(C.[France],0) AS [France],
53 |        ISNULL(C.[Germany],0) AS [Germany],
54 |        ISNULL(C.[Other],0) AS [Other]
55 |
56 |
57 | FROM
58 | (
59 |     SELECT * FROM Company
60 |     PIVOT (COUNT(Country) FOR Country IN ([USA],[UK],[France],[Germany],[Other])) AS PivotedCompany
61 | ) C
62 | ORDER BY C.Id
63 |

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100 %

Results Messages

	Id	CompanyName	USA	UK	France	Germany	Other
1	1	Exotic Liquids	0	1	0	0	0
2	2	New Orleans Cajun Delights	1	0	0	0	0
3	3	Grandma Kelly's Homestead	1	0	0	0	0
4	4	Tokyo Traders	0	0	0	0	1
5	5	Cooperativa de Quesos 'Las Cabras'	0	0	0	0	1
6	6	Mayumi's	0	0	0	0	1
7	7	Pavlova, Ltd.	0	0	0	0	1
8	8	Specialty Biscuits, Ltd.	0	1	0	0	0
9	9	PB Knäckebröd AB	0	0	0	0	1


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64 ---cau4
65 SELECT O.OrderNumber,
66        OrderDate = CONVERT(VARCHAR(10),O.OrderDate, 103),
67        CustomerName = C.FirstName + SPACE(1) + C.LastName,
68        [Address] = 'Phone: ' + C.Phone + ', ' + 'City: ' + C.City + ' and Country: ' + C.Country,
69        TotalAmount = LTRIM(STR(CAST(O.TotalAmount AS DECIMAL(10)),10,0) + ' Euro')
70 FROM [Order] O
71 INNER JOIN Customer C ON O.CustomerId = C.Id
72 ORDER BY O.Id
73

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100 %

Results Messages

	OrderNumber	OrderDate	CustomerName	Address	TotalAmount
1	542378	04/07/2012	Paul Henriot	Phone: 26.47.15.10, City: Reims and Country: France	440 Euro
2	542379	05/07/2012	Karin Josephs	Phone: 0251-031259, City: Münster and Country: Ge...	1863 Euro
3	542380	08/07/2012	Mario Pontes	Phone: (21) 555-0091, City: Rio de Janeiro and Coun...	1813 Euro
4	542381	08/07/2012	Mary Saveley	Phone: 78.32.54.86, City: Lyon and Country: France	671 Euro
5	542382	09/07/2012	Pascale Cartrain	Phone: (071) 23 67 22 20, City: Charleroi and Countr...	3730 Euro
6	542383	10/07/2012	Mario Pontes	Phone: (21) 555-0091, City: Rio de Janeiro and Coun...	1445 Euro
7	542384	11/07/2012	Yang Wang	Phone: 0452-076545, City: Bern and Country: Switze...	625 Euro
8	542385	12/07/2012	Michael Holz	Phone: 0897-034214, City: Genève and Country: Sw...	2491 Euro
9	542386	15/07/2012	Paula Parente	Phone: (14) 555-8122, City: Resende and Country: B...	518 Euro
10	542387	16/07/2012	Carlos Hernández	Phone: (5) 555-1340, City: San Cristóbal and Country...	1120 Euro
11	542388	17/07/2012	Roland Mendel	Phone: 7675-3425, City: Graz and Country: Austria	2019 Euro
12	542389	18/07/2012	Francisco Chang	Phone: (5) 555-3392, City: México D.F. and Country: ...	101 Euro
13	542390	19/07/2012	Henriette Pfalzheim	Phone: 0221-0644327, City: Köln and Country: Gem...	1746 Euro
14	542391	19/07/2012	Bernardo Batista	Phone: (21) 555-4252, City: Rio de Janeiro and Coun...	448 Euro
15	542392	22/07/2012	Paula Wilson	Phone: (505) 555-5939, City: Albuquerque and Coun...	625 Euro
16	542393	23/07/2012	Roland Mendel	Phone: 7675-3425, City: Graz and Country: Austria	2465 Euro
17	542394	24/07/2012	Maria Larsson	Phone: 0695-34 67 21, City: Bräcke and Country: S...	725 Euro
18	542395	25/07/2012	Frédérique Citeaux	Phone: 88.60.15.31, City: Strasbourg and Country: Fr...	1176 Euro
19	542396	26/07/2012	Pirkko Koskitalo	Phone: 981-443655, City: Oulu and Country: Finland	365 Euro
20	542397	29/07/2012	Peter Franken	Phone: 089-0877310, City: München and Country: G...	4031 Euro
21	542398	30/07/2012	Manuel Pereira	Phone: (2) 283-2951, City: Caracas and Country: Ve...	1101 Euro
22	542399	31/07/2012	Karl Jablonski	Phone: (206) 555-4112, City: Seattle and Country: U...	676 Euro
23	542400	01/08/2012	Pirkko Koskitalo	Phone: 981-443655, City: Oulu and Country: Finland	1376 Euro
24	542401	01/08/2012	Art Braunschweiger	Phone: (307) 555-4680, City: Lander and Country: U...	48 Euro
25	542402	02/08/2012	Paula Wilson	Phone: (505) 555-5939, City: Albuquerque and Coun...	1456 Euro
26	542403	05/08/2012	Horst Kloss	Phone: 0372-035188, City: Cunewalde and Country: ...	2142 Euro
27	542404	06/08/2012	Paul Henriot	Phone: 26.47.15.10, City: Reims and Country: France	539 Euro
28	542405	07/08/2012	Giovanni Rovelli	Phone: 035-640230, City: Bergamo and Country: Italy	307 Euro

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74 ---cau5
75
76 SELECT Id, ProductName, SupplierId, UnitPrice,
77        Package = STUFF(Package, CHARINDEX('bags', Package), LEN('bags'), N'túi')
78 FROM Product
79 WHERE Package LIKE '%bags%'
80

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100 %

Results Messages

	Id	ProductName	SupplierId	UnitPrice	Package
1	1	Chai	1	18.00	10 boxes x 20 túi
2	26	Gumbär Gummibärchen	11	31.23	100 - 250 g túi
3	29	Thüringer Rostbratwurst	12	123.79	50 túi x 30 sausgs.
4	44	Gula Malacca	20	19.45	20 - 2 kg túi
5	64	Wimmers gute Semmelknödel	12	33.25	20 túi x 4 pieces

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81 ---cau6
82 SELECT CustomerId, COUNT(OrderNumber) AS OrderCount INTO OCount
83 FROM [Order]
84 GROUP BY CustomerId
85
86 SELECT*
87 FROM OCount
88
89 SELECT OC.CustomerId,
90         CustomerName = C.FirstName + SPACE(1) + C.LastName ,
91         OC.OrderCount,
92         [Rank] = DENSE_RANK() OVER (ORDER BY OrderCount),
93         [Group] = NTILE(3) OVER (ORDER BY OC.OrderCount DESC)
94 FROM OCount OC |
95 INNER JOIN Customer C ON OC.CustomerId = C.Id
96 ORDER BY OC.OrderCount DESC
97

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100 %

Results Messages

	CustomerId	CustomerName	OrderCount	Rank	Group
1	71	Jose Pavarotti	31	21	1
2	20	Roland Mendel	30	20	1
3	63	Horst Kloss	28	19	1
4	24	Maria Larsson	19	18	1
5	37	Patricia McKenna	19	18	1
6	35	Carlos Hernández	18	17	1
7	5	Christina Berglund	18	17	1
8	65	Paula Wilson	18	17	1
9	9	Laurence Lebihan	17	16	1
10	87	Pirkko Koskitalo	15	15	1
11	44	Renate Messner	15	15	1
12	25	Peter Franken	15	15	1
13	10	Elizabeth Lincoln	14	14	1
14	41	Annette Roulet	14	14	1
15	39	Philip Cramer	14	14	1
16	34	Mario Pontes	14	14	1
17	46	Carlos González	14	14	1
18	89	Karl Jablonski	14	14	1
19	4	Thomas Hardy	13	13	1
20	62	Lúcia Carvalho	13	13	1
21	51	Jean Fresnière	13	13	1
22	66	Maurizio Moroni	12	12	1
23	47	Felipe Izquierdo	12	12	1
24	76	Pascale Cartrain	12	12	1
25	83	Palle Ibsen	11	11	1
26	7	Frédérique Citeaux	11	11	1