⊞ F	Results Message	es		
	SalesOrderNumber	EnglishProductName	UnitPrice	OrderQuantity
52	SO43762	Road-150 Red, 56	3578.27	1
53	SO43763	Road-150 Red, 52	3578.27	1
54	SO43764	Road-150 Red, 62	3578.27	1
55	SO43765	Mountain-100 Silve	3399.99	1
56	SO43766	Road-150 Red, 52	3578.27	1
57	SO43767	Mountain-100 Blac	3374.99	1
58	SO43768	Road-150 Red, 48	3578.27	1
59	SO43769	Road-150 Red, 48	3578.27	1
60	SO43770	Road-150 Red, 48	3578.27	1
61	SO43771	Road-650 Red, 52	699.0982	1
62	SO43772	Road-150 Red, 48	3578.27	1
63	SO43773	Road-150 Red, 56	3578.27	1
64	SO43774	Road-150 Red, 52	3578.27	1
65	SO43775	Mountain-100 Silve	3399.99	1
66	SO43776	Road-150 Red, 56	3578.27	1
67	SO43777	Road-150 Red, 44	3578.27	1
	0010770		000000	

```
(60384 rows affected)

Completion time: 2021-10-11T13:10:09.1786552-04:00
```

Fa	ctInternetSales		٠.	B 1 4
	ProductKey			mProduct
	OrderDateKey		¥	ProductKey
	DueDateKey			ProductAlternateKey
	ShipDateKey			ProductSubcategoryKey
	CustomerKey			WeightUnitMeasureCode
	PromotionKey			SizeUnitMeasureCode
	CurrencyKey			EnglishProductName
	SalesTerritoryKey			Spanish Product Name
P	SalesOrderNumber			FrenchProductName
P	SalesOrderLineNumber			StandardCost
	RevisionNumber			Finished Goods Flag
	OrderQuantity			Color
	UnitPrice			SafetyStockLevel
	ExtendedAmount			ReorderPoint
	UnitPriceDiscountPct			ListPrice
	DiscountAmount			Size
	ProductStandardCost			SizeRange
	TotalProductCost			Weight
	SalesAmount	∞		DaysToManufacture
	TaxAmt			ProductLine
	Freight			DealerPrice
	CarrierTrackingNumber			Class
	CustomerPONumber			Style
	OrderDate			ModelName
	DueDate			LargePhoto
	ShipDate			EnglishDescription
				FrenchDescription
				ChineseDescription
				Arabic Description
				HebrewDescription

\_\_\_\_\_\_

-

```
Return UK customers, and for each customer return the total number of orders and total quantities

*/

PUSE Northw;

SELECT C.CustomerId,

COUNT(DISTINCT O.OrderId) AS numorders,

SUM(OD.Quantity) AS totalQuantity

FROM Sales.Customer AS C

INNER JOIN Sales.[Order] AS O

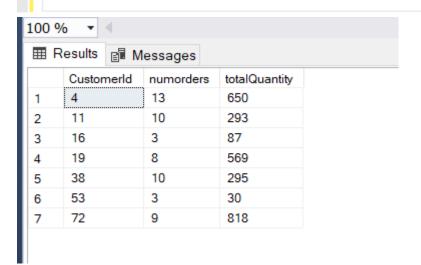
ON O.CustomerId = C.CustomerId

INNER JOIN Sales.OrderDetail AS OD

ON OD.OrderId = O.OrderId

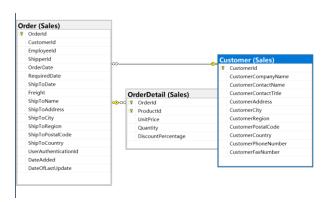
WHERE C.CustomerCountry = N'UK'

GROUP BY C.CustomerId;
```



(7 rows affected)

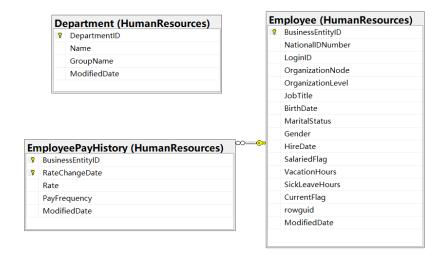
Completion time: 2021-10-11T11:04:50.4696681-04:00

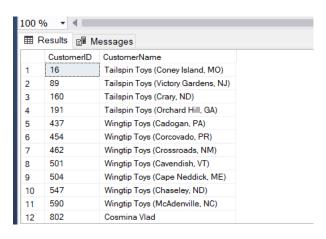


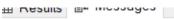
⊞ Results						
	BusinessEntityID	BirthDate	Gender	HireDate	DepartmentID	
1	217	1976-01-30	М	2009-01-04	12	
2	218	1990-04-28	М	2008-12-16	12	
3	219	1987-03-12	M	2009-01-22	12	
4	220	1975-12-25	F	2009-02-09	12	
5	221	1987-05-26	М	2009-03-06	12	
6	2	1971-08-01	F	2008-01-31	1	
7	3	1974-11-12	М	2007-11-11	1	
8	4	1974-12-23	М	2007-12-05	1	
9	5	1952-09-27	F	2008-01-06	1	
10	6	1959-03-11	М	2008-01-24	1	
11	14	1979-06-16	М	2010-12-30	1	
12	15	1961-05-02	F	2011-01-18	1	
13	1	1969-01-29	М	2009-01-14	16	

(296 rows affected)

Completion time: 2021-10-11T11:39:25.8815357-04:00

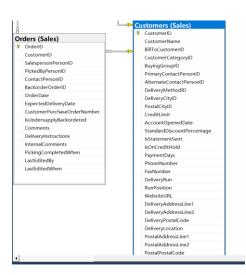






(17 rows affected)

Completion time: 2021-10-11T13:53:09.3882801-04:00



## USE WideWorldImportersDW;

## SELECT s. Description,

- s.[Sale Key],
- s.[Tax Amount],
- s.Quantity

FROM Fact. Sale AS s

LEFT OUTER JOIN Dimension. Customer AS c

ON c.[Customer Key] = s.[Customer Key]

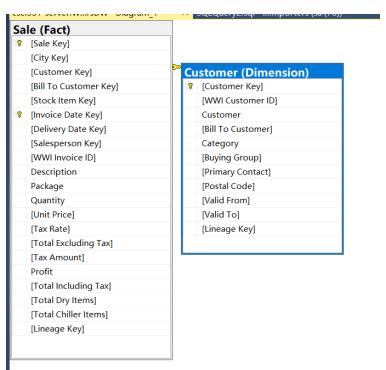
WHERE s.Quantity >= 5

ORDER BY s. Quantity;

--FOR JSON PATH ,ROOT('5')

-----

	Description	Sale Key	Tax Amount	Quantity
1	USB missile launcher (Green)	216407	18.75	5
2	RC toy sedan car with remote control (Black) 1/50 sc	216563	18.75	5
3	Developer joke mug - when your hammer is C++ (Bl	106952	9.75	5
4	Superhero action jacket (Blue) XS	216822	18.75	5
5	RC toy sedan car with remote control (Yellow) 1/50 s	217191	18.75	5
6	Superhero action jacket (Blue) XXS	217572	18.75	5
7	DBA joke mug - I will get you in order (White)	131149	9.75	5
3	DBA joke mug - SELECT caffeine FROM mug (White)	106777	9.75	5
9	USB missile launcher (Green)	217592	18.75	5
10	RC toy sedan car with remote control (Black) 1/50 sc	218199	18.75	5
1	Superhero action jacket (Blue) 3XS	218633	18.75	5
2	USB rocket launcher (Gray)	218640	18.75	5

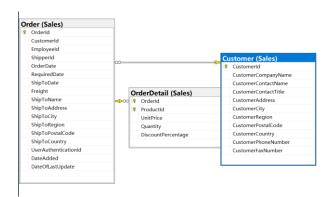


```
USE Northw;
DECLARE @chose AS INT =
        SELECT DISTINCT
            O.CustomerId
       FROM Sales.[Order] AS O
       WHERE O.CustomerId = 55
     );
SELECT O.Employeeld,
     YEAR(O.OrderDate) AS yyear
 FROM Sales.[Order] AS O
   JOIN Sales.OrderDetail AS OD
     ON OD.OrderId = O.OrderId
   JOIN Sales. Customer AS C
     ON C.Customerld = O.Customerld
 WHERE O.CustomerId = @chose
 GROUP BY O.Employeeld,
      YEAR(O.OrderDate);
```



(9 rows affected)

Completion time: 2021-10-11T16:59:06.8738407-04:00

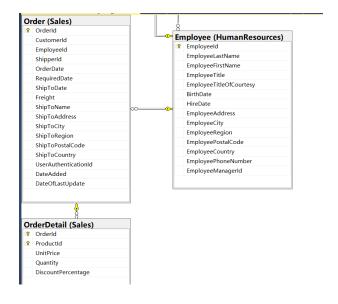


```
USE Northw;
SELECT O.Employeeld,
   YEAR(O.OrderDate) AS YYear,
   COUNT(O.Orderld) AS num,
   SUM(OD.UnitPrice * OD.Quantity) AS totalprice
FROM Sales.[Order] AS O
  LEFT OUTER JOIN Sales.OrderDetail AS OD
    ON OD.OrderId = O.OrderId
  LEFT OUTER JOIN HumanResources. Employee AS E
    ON E.Employeeld = O.Employeeld
GROUP BY O.Employeeld,
     YEAR(O.OrderDate),
     O.Orderld.
     OD.UnitPrice * OD.Quantity
ORDER BY O.Employeeld,
     YYear,
     totalprice;
--FOR JSON PATH ,ROOT('7')
```

	_	J		
	Employeeld	YYear	num	totalprice
1	1	2014	1	29.50
2	1	2014	1	34.40
3	1	2014	1	36.00
4	1	2014	1	37.20
5	1	2014	1	40.00
6	1	2014	1	43.20
7	1	2014	1	48.00
8	1	2014	1	54.00
9	1	2014	1	57.60
10	1	2014	1	67.20
11	1	2014	1	77.00
12	1	2014	1	78.40
13	1	2014	1	80.00
14	1	2014	1	86.00
15	1	2014	1	91.20
16	1	2014	1	92.40
17	1	2014	1	100.10
18	1	2014	1	120.00
10	1	2014	1	152.60

```
(2150 rows affected)

Completion time: 2021-10-11T20:58:18.9584124-04:00
```



```
SELECT Employeeinformation.OrderYear,
   NumberOfUniqueCustomers = COUNT(DISTINCT Employeeinformation.CustomerId),
   Employeeinformation.Employeeld
FROM
  SELECT YEAR(o.OrderDate) AS OrderYear,
      o.Customerld.
      o.Employeeld
  FROM Sales [Order] AS o
 AS Employeeinformation
  INNER JOIN Sales.[Order] AS o1
    ON o1.CustomerId = Employeeinformation.CustomerId
  INNER JOIN Sales.[Order] AS 02
    ON o2.CustomerId = Employeeinformation.CustomerId
GROUP BY Employeeinformation.OrderYear,
     Employeeinformation. Employeeld
ORDER BY Employeeinformation. Employeeld,
    Employeeinformation OrderYear
 FOR ICON DATH DOOT/101
```

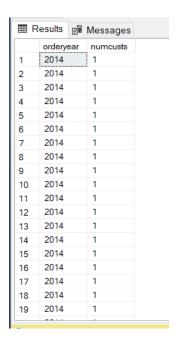
⊞R	esults	■ Messages		
	OrderYe	ear NumberC	fUniqueCustomers	Employeeld
1	2014	22		1
2	2015	40		1
3	2016	32		1
4	2014	15		2
5	2015	35		2
6	2016	34		2
7	2014	16		3
8	2015	46		3
9	2016	30		3
10	2014	26		4
11	2015	57		4
12	2016	33		4
13	2014	10		5
14	2015	13		5
15	2016	11		5
16	2014	15		6
17	2015	24		6
18	2016	17		6
19	2014	11		7
20	2015	30		7
21	2016	21		7
22	2014	19		8
23	2015	36		8
24	2016	23		8
25	2014	5		9
26	2015	16		9
27	2016	16		9

(27 rows affected)

Completion time: 2021-10-11T21:04:15.2311381-04:00

Or	der (Sales)
8	Orderld
	CustomerId
	Employeeld
	ShipperId
	OrderDate
	RequiredDate
	ShipToDate
	Freight
	ShipToName
	ShipToAddress
	ShipToCity
	ShipToRegion
	ShipToPostalCode
	ShipToCountry
	UserAuthenticationId
	DateAdded
	DateOfLastUpdate





# Mesuits En Messages

(125 rows affected)

Completion time: 2021-10-11T21:49:08.4169939-04:00

```
SELECT Cur.orderyear,
   Cur.numcusts AS curnumcusts,
   Prv.numcusts AS prvnumcusts,
   Cur.numcusts - Prv.numcusts AS growth
FROM
  SELECT YEAR(OrderDate) AS orderyear,
     COUNT(DISTINCT CustomerId) AS numcusts
  FROM Sales.[Order]
  GROUP BY YEAR(OrderDate)
) AS Cur
  LEFT OUTER JOIN
    SELECT YEAR(OrderDate) AS orderyear,
       COUNT(DISTINCT CustomerId) AS numcusts
    FROM Sales.[Order]
    GROUP BY YEAR(OrderDate)
  ) AS Prv
    ON Cur.orderyear = Prv.orderyear + 1
  LEFT OUTER JOIN
    SELECT YEAR(OrderDate) AS orderyear,
       COUNT(DISTINCT CustomerId) AS numcusts
    FROM Sales.[Order]
     GROUP BY YEAR(OrderDate)
   ) AS nex
     ON Cur.orderyear = nex.orderyear - 1
```

≣ R	esults		Messages		
	ordery	ear	curnumcusts	prvnumcusts	growth
1	2014		67	NULL	NULL
2	2015		86	67	19
3	2016		81	86	-5

(3 rows affected)

Completion time: 2021-10-11T22:21:43.5609032-04:00