

Northwind Queries

1. Create a report that shows the CategoryName and Description from the categories table sorted by CategoryName.

```
SELECT CategoryName, Description  
FROM Categories  
ORDER BY CategoryName;
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1 •  SELECT CategoryName, Description  
2     FROM Categories  
3    ORDER BY CategoryName;
```

The results are displayed in a "Result Grid" table:

CategoryName	Description
Beverages	Soft drinks, coffees, teas, beers, and ales
Condiments	Sweet and savory sauces, relishes, spreads, and condiments
Confections	Desserts, candies, and sweet breads
Dairy Products	Cheeses
Grains/Cereals	Breads, crackers, pasta, and cereal
Meat/Poultry	Prepared meats
Produce	Dried fruit and bean curd
Seafood	Seaweed and fish

2. Create a report that shows the ContactName, CompanyName, ContactTitle and Phone number from the customers table sorted by Phone.

```
SELECT ContactName, CompanyName, ContactTitle, Phone  
From Customers  
ORDER BY Phone;
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1 •  SELECT ContactName, CompanyName, ContactTitle, Phone  
2     From Customers  
3    ORDER BY Phone;
```

The results are displayed in a "Result Grid" table:

ContactName	CompanyName	ContactTitle	Phone
Valon Hoti	IT	IT	NULL
Val2	IT	IT	NULL
Catherine Dewey	Maison Dewey	Sales Agent	(02) 201 24 67
Pascale Cartrain	Suprême d'lices	Accounting Manager	(071) 23 67 22 20
Sergio Gutierrez	Rancho grande	Sales Representative	(1) 123-5555
Yvonne Moncada	Océano Atlântico Ltda.	Sales Agent	(1) 135-5333
Patrício Simpson	Cactus Comidas para levar	Sales Agent	(1) 135-5555
Lino Rodriguez	Furia Bacalhau e Frutos do Mar	Sales Manager	(1) 354-2534
Isabel de Castro	Princesa Isabel Vinhos	Sales Representative	(1) 356-5634
Marie Bertrand	Paris spécialités	Owner	(1) 42-34.22.66
Dominique Perrier	Spécialités du monde	Marketing Manager	(1) 47.55.60.10
Lcia Carvalho	Queen Cozinha	Marketing Assistant	(1) 555-1189
Anabela Domingos	Tradição Hipermercados	Sales Representative	(11) 555-2167
Pedro Afonso	Comrício Mineiro	Sales Associate	(11) 555-7647
André Fonseca	Gourmet Lanchonetes	Sales Associate	(11) 555-9482
Aria Cruz	Família Arquibaldo	Marketing Assistant	(11) 555-9857
Paula Parente	Wellington Importadora	Sales Manager	(14) 555-8122
Ann Devon	Eastern Connection	Sales Agent	(171) 555-0297
Victoria Ashworth	B's Beverages	Sales Representative	(171) 555-1212
Hari Kumar	Seven Seas Imports	Sales Manager	(171) 555-1717
Elizabeth Brown	Consolidated Holdings	Sales Representative	(171) 555-2282
Simon Crowther	North/South	Sales Associate	(171) 555-7733
Thomas Hardy	Around the Horn	Sales Representative	(171) 555-7788
Helen Bennett	Island Trading	Marketing Manager	(198) 555-8888
Manuel Pereira	GROSELLA-Restaurante	Owner	(2) 283-2951

3. Create a report that shows the capitalized FirstName and capitalized LastName renamed as FirstName and LastName respectively and HireDate from the employees table sorted from the newest to the oldest employee.

```
SELECT UPPER(FirstName) AS FirstName, UPPER( LastName) AS LastName, HireDate
FROM Employees
ORDER BY HireDate;
```

The screenshot shows the MySQL Workbench interface. The title bar says "MySQL Workbench". The menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. A tab labeled "SQL File 2*" is active, containing the following SQL code:

```
1 •  SELECT UPPER(FirstName) AS FirstName, UPPER( LastName) AS LastName, HireDate
2   FROM Employees
3   ORDER BY HireDate;
```

Below the code is a "Result Grid" table with columns: FirstName, LastName, and HireDate. The data is as follows:

FirstName	LastName	HireDate
JANET	LEVERLING	1992-04-01 00:00:00
NANCY	DAVOLIO	1992-05-01 00:00:00
ANDREW	FULLER	1992-08-14 00:00:00
MARGARET	PEACOCK	1993-05-03 00:00:00
STEVEN	BUCHANAN	1993-10-17 00:00:00
MICHAEL	SUYAMA	1993-10-17 00:00:00
ROBERT	KING	1994-01-02 00:00:00
LAURA	CALLAHAN	1994-03-05 00:00:00
ANNE	DODSWORTH	1994-11-15 00:00:00

4. Create a report that shows the top 10 OrderID, OrderDate, ShippedDate, CustomerID, Freight from the orders table sorted by Freight in descending order.

```
SELECT OrderID, OrderDate, ShippedDate, CustomerID, Freight
FROM northwind.orders
ORDER BY Freight Desc
LIMIT 10;
```

The screenshot shows the MySQL Workbench interface. The title bar says "MySQL Workbench". The menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. A tab labeled "SQL File 2*" is active, containing the following SQL code:

```
1 •  SELECT OrderID, OrderDate, ShippedDate, CustomerID, Freight
2   FROM Orders
3   ORDER BY Freight Desc
4   LIMIT 10;
```

Below the code is a "Result Grid" table with columns: OrderID, OrderDate, ShippedDate, CustomerID, and Freight. The data is as follows:

OrderID	OrderDate	ShippedDate	CustomerID	Freight
10540	1997-05-19 00:00:00	1997-06-13 00:00:00	QUICK	1007.6400
10372	1996-12-04 00:00:00	1996-12-09 00:00:00	QUEEN	890.7800
11030	1998-04-17 00:00:00	1998-04-27 00:00:00	SAVEA	830.7500
10691	1997-10-03 00:00:00	1997-10-22 00:00:00	QUICK	810.0500
10514	1997-04-22 00:00:00	1997-05-16 00:00:00	ERNSH	789.9500
11017	1998-04-13 00:00:00	1998-04-20 00:00:00	ERNSH	754.2600
10816	1998-01-06 00:00:00	1998-02-04 00:00:00	GREAL	719.7800
10479	1997-03-19 00:00:00	1997-03-21 00:00:00	RATTC	708.9500
10983	1998-03-27 00:00:00	1998-04-06 00:00:00	SAVEA	657.5400
11032	1998-04-17 00:00:00	1998-04-23 00:00:00	WHITC	606.1900

5. Create a report that shows all the CustomerID in lowercase letters and renamed as ID from the customers table.

```
SELECT lower(CustomerID) AS ID FROM northwind.customers;
```

The screenshot shows the MySQL Workbench interface with a query window titled "SQL File 2". The query is:

```
1 •  SELECT lower(CustomerID) AS ID FROM northwind.customers;
```

The results are displayed in a "Result Grid" table with one column labeled "ID". The data consists of 39 rows of customer IDs converted to lowercase:

ID
hungo
val2
valon
wolza
quick
quede
ricar
morgk
gourl
anatr
centc
anton
peric
tortu
commi
famia
hanar
queen
tradh
galed
welli
cactu
ocean
ranch
frans

6. Create a report that shows the CompanyName, Fax, Phone, Country, HomePage from the suppliers table sorted by the Country in descending order then by CompanyName in ascending order.

```
SELECT CompanyName, Fax, Phone, Country, HomePage  
FROM Suppliers  
ORDER BY Country DESC, CompanyName;
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 SELECT CompanyName, Fax, Phone, Country, HomePage
 2 FROM Suppliers
 3 ORDER BY Country DESC, CompanyName;

Result Grid | Filter Rows: Export: Wrap Cell Content:

CompanyName	Fax	Phone	Country	HomePage
Bigfoot Breweries	NULL	(503) 555-9931	USA	NULL
Grandma Kelly's Homestead	(313) 555-3349	(313) 555-5735	USA	NULL
New England Seafood Cannery	(617) 555-3389	(617) 555-3267	USA	NULL
New Orleans Cajun Delights	NULL	(100) 555-4822	USA	#CAJUN.HTM#
Exotic Liquids	NULL	(171) 555-2222	UK	NULL
Specialty Biscuits, Ltd.	NULL	(161) 555-4448	UK	NULL
PB Knkkebrd AB	031-987 65 91	031-987 65 43	Sweden	NULL
Svensk Sjöfda AB	NULL	08-123 45 67	Sweden	NULL
Cooperativa de Quesos 'Las Cabras'	NULL	(98) 598 76 54	Spain	NULL
Leka Trading	NULL	555-8787	Singapore	NULL
Norske Meierier	NULL	(0)2-953010	Norway	NULL
Zaanse Snoepfabriek	(12345) 1210	(12345) 1212	Netherla...	NULL
Mayumi's	NULL	(06) 431-7877	Japan	Mayumi's (on t...
Tokyo Traders	NULL	(03) 3555-5011	Japan	NULL
Formaggi Fortini s.r.l.	(0544) 60603	(0544) 60323	Italy	#FORMAGGI....
Pasta Buttini s.r.l.	(089) 6547667	(089) 6547665	Italy	NULL
Heli Swaren GmbH & Co. KG	NULL	(10) 9984510	Germany	NULL
Nord-Ost-Fisch Handelsgesellschaft...	(04721) 8714	(04721) 8713	Germany	NULL
Plutzer Lebensmittelgruppe AG	NULL	(069) 992755	Germany	Plutzer (on the...
Aux joyeux ecclasiastiques	(1) 03.83.00.62	(1) 03.83.00.68	France	NULL
Escargots Nouveaux	NULL	85.57.00.07	France	NULL
Gai pützage	38.76.98.58	38.76.98.06	France	NULL
Karkki Oy	NULL	(953) 10956	Finland	NULL
Lynghysild	43844115	43844108	Denmark	NULL
Forts d'ables	(514) 555-2921	(514) 555-2955	Canada	NULL

7. Create a report that shows CompanyName, ContactName of all customers from 'Buenos Aires' only.

```
SELECT CompanyName, ContactName
FROM Customers
WHERE City = 'Buenos Aires';
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • SELECT CompanyName, ContactName
 2 FROM Customers
 3 WHERE City = 'Buenos Aires';

Result Grid | Filter Rows: Export: Wrap Cell Content:

CompanyName	ContactName
Cactus Comidas para llevar	Patricia Simpson
Ocano Atlntico Ltda.	Yvonne Moncada
Rancho grande	Sergio Gutierrez

8. Create a report showing ProductName, UnitPrice, QuantityPerUnit of products that are out of stock.

```
SELECT ProductName, UnitPrice, QuantityPerUnit
FROM Products
WHERE Discontinued = 1;
```

MySQL Workbench

Local instance MySQL800 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • SELECT ProductName, UnitPrice, QuantityPerUnit
 2 FROM Products
 3 WHERE Discontinued = 1;

Result Grid | Filter Rows: Export: Wrap Cell Content:

	ProductName	UnitPrice	QuantityPerUnit
▶	Chef Anton's Gumbo Mix	21.3500	36 boxes
	Mishi Kobe Niku	97.0000	18 - 500 g pkgs.
	Alice Mutton	39.0000	20 - 1 kg tins
	Guaran Fantstica	4.5000	12 - 355 ml cans
	Rsile Sauerkraut	45.6000	25 - 825 g cans
	Thringer Rostbratwurst	123.7900	50 bags x 30 sausgs.
	Singaporean Hokkien Fried Mee	14.0000	32 - 1 kg pkgs.
	Perth Pasties	32.8000	48 pieces

9. Create a report showing all the ContactName, Address, City of all customers not from Germany, Mexico, Spain.

```
SELECT ContactName, Address, City
FROM Customers
WHERE Country NOT IN ("Germany", "Mexico", "Spain");
```

MySQL Workbench

Local instance MySQL800 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • SELECT ContactName, Address, City
 2 FROM Customers
 3 WHERE Country NOT IN ("Germany", "Mexico", "Spain");

Result Grid | Filter Rows: Export: Wrap Cell Content:

	ContactName	Address	City
▶	Thomas Hardy	120 Hanover Sq.	London
	Christina Berglund	Berguvsvgen 8	Lule
	Frdrique Citeaux	24, place Klber	Strasbourg
	Laurence Lebihan	12, rue des Bouchers	Marseille
	Elizabeth Lincoln	23 Tswassen Blvd.	Tswassen
	Victoria Ashworth	Fauntleroy Circus	London
	Patricia Simpson	Cerrito 333	Buenos Aires
	Yang Wang	Hauptstr. 29	Bern
	Pedro Afonso	Av. dos Lusadas, 23	Sao Paulo
	Elizabeth Brown	Berkeley Gardens 12 Brewery	London
	Janine Labrune	67, rue des Cinquante Otages	Nantes
	Ann Devon	35 King George	London
	Roland Mendel	Kirchgasse 6	Graz
	Aria Cruz	Rua Ors, 92	Sao Paulo
	Martine Ranc	184, chausse de Tournai	Lille
	Maria Larsson	kergatan 24	Brcke
	Carine Schmitt	54, rue Royale	Nantes
	Paolo Accorti	Via Monte Bianco 34	Torino
	Lino Rodriguez	Jardim das rosas n. 32	Lisboa
	Andr Fonseca	Av. Brasil, 442	Campinas
	Howard Snyder	2732 Baker Blvd.	Eugene
	Manuel Pereira	5 Ave. Los Palos Grandes	Caracas
	Mario Pontes	Rua do Pao, 67	Rio de Janeiro
	Carlos Hernndez	Carrera 22 con Ave. Carlos S...	San Cristbal
	Yoshi I atmmer	City Center Plaza 516 Main St.	Flnian

10. Create a report showing FirstName, LastName, Country from the employees not from the United States.

```
SELECT FirstName,LastName,Country  
FROM Employees  
WHERE Country <> 'USA';
```

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 2". The query is:

```
1 •  SELECT FirstName,LastName,Country  
2   FROM Employees  
3  WHERE Country <> 'USA';
```

The results are displayed in a "Result Grid" table:

FirstName	LastName	Country
Steven	Buchanan	UK
Michael	Suyama	UK
Robert	King	UK
Anne	Dodsworth	UK

11. Create a report that shows the EmployeeID, OrderID, CustomerID, RequiredDate, ShippedDate from all orders shipped later than the required date.

```
SELECT EmployeeID,OrderID,CustomerID,RequiredDate,ShippedDate  
FROM Orders  
WHERE ShippedDate > RequiredDate;
```

The screenshot shows the MySQL Workbench interface with a SQL editor tab titled "SQL File 2". The query is:

```
1 •  SELECT EmployeeID,OrderID,CustomerID,RequiredDate,ShippedDate  
2   FROM Orders  
3  WHERE ShippedDate > RequiredDate;
```

The results are displayed in a "Result Grid" table:

EmployeeID	OrderID	CustomerID	RequiredDate	ShippedDate
6	10264	FOLKO	1996-08-21 00:00:00	1996-08-23 00:00:00
6	10271	SPLIR	1996-08-29 00:00:00	1996-08-30 00:00:00
2	10280	BERGS	1996-09-11 00:00:00	1996-09-12 00:00:00
4	10302	SUPRD	1996-10-08 00:00:00	1996-10-09 00:00:00
3	10309	HUNGO	1996-10-17 00:00:00	1996-10-23 00:00:00
5	10320	WARTH	1996-10-17 00:00:00	1996-10-18 00:00:00
8	10380	HUNGO	1997-01-09 00:00:00	1997-01-16 00:00:00
6	10423	GOURL	1997-02-06 00:00:00	1997-02-24 00:00:00
4	10427	PICCO	1997-02-24 00:00:00	1997-03-03 00:00:00
3	10433	PRINI	1997-03-03 00:00:00	1997-03-04 00:00:00
4	10451	QUICK	1997-03-05 00:00:00	1997-03-12 00:00:00
7	10483	WHITC	1997-04-21 00:00:00	1997-04-25 00:00:00
2	10515	QUICK	1997-05-07 00:00:00	1997-05-23 00:00:00
7	10523	SEVES	1997-05-29 00:00:00	1997-05-30 00:00:00
8	10545	LAZYK	1997-06-19 00:00:00	1997-06-26 00:00:00
4	10578	BSBVE	1997-07-22 00:00:00	1997-07-25 00:00:00
7	10593	LEHMS	1997-08-06 00:00:00	1997-08-13 00:00:00
8	10596	WHITC	1997-08-08 00:00:00	1997-08-12 00:00:00
8	10660	HUNGC	1997-10-06 00:00:00	1997-10-15 00:00:00
2	10663	BONAP	1997-09-24 00:00:00	1997-10-03 00:00:00
9	10687	HUNGO	1997-10-28 00:00:00	1997-10-30 00:00:00
9	10705	HILAA	1997-11-12 00:00:00	1997-11-18 00:00:00
1	10709	GOURL	1997-11-14 00:00:00	1997-11-20 00:00:00
4	10726	EASTC	1997-11-17 00:00:00	1997-12-05 00:00:00
2	10727	REGGC	1997-12-01 00:00:00	1997-12-05 00:00:00

12. Create a report that shows the City, CompanyName, ContactName of customers from cities starting with A or B.

```
SELECT City,CompanyName,ContactName  
FROM Customers  
WHERE City LIKE "A%" OR City LIKE "B%";
```

The screenshot shows the MySQL Workbench interface. At the top, there's a toolbar with various icons for database management. Below it is a menu bar with File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The main area is titled "SQL File 2*" and contains the following SQL code:

```
1 •  SELECT City,CompanyName,ContactName  
2   FROM Customers  
3 WHERE City LIKE "A%" OR City LIKE "B%";
```

Below the code is a "Result Grid" table with three columns: City, CompanyName, and ContactName. The table displays 20 rows of data, which are identical to the ones shown in the previous screenshot. The table has a header row and 20 data rows.

City	CompanyName	ContactName
Aachen	Drachenblut Delikatessen	Sven Ottlieb
Albuquerque	Rattlesnake Canyon Grocery	Paula Wilson
Anchorage	Old World Delicatessen	Rene Phillips
Barcelona	Galera del gastronomo	Eduardo Saavedra
Barquisimeto	LILA-Supermercado	Carlos Gonzlez
Bergamo	Magazzini Alimentari Riuniti	Giovanni Rovelli
Berlin	Alfreds Futterkiste	Maria Anders
Bern	Chop-suey Chinese	Yang Wang
Boise	Save-a-lot Markets	Jose Pavarotti
Brandenburg	Kniglich Essen	Philip Cramer
Brcke	Folk och f HB	Maria Larsson
Bruxelles	Maison Dewey	Catherine Dewey
Buenos Aires	Cactus Comidas para llevar	Patricia Simpson
Buenos Aires	Ocano Atlntico Ltda.	Yvonne Moncada
Buenos Aires	Rancho grande	Sergio Guitrrez
Butte	The Cracker Box	Liu Wong

13. Create a report showing all the even numbers of OrderID from the orders table.

```
SELECT OrderID  
FROM Orders  
WHERE mod(OrderID,2)=0;
```

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```

1 •  SELECT OrderID
2   FROM Orders
3 WHERE mod(OrderID,2)=0;

```

The results grid displays the following data:

OrderID
10258
10270
10292
10304
10306
10314
10316
10340
10364
10374
10376
10394
10396
10400
10482

14. Create a report that shows all the orders where the freight cost more than \$500.

```

SELECT *
FROM Orders
WHERE Freight > 500;

```

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```

1 •  SELECT *
2   FROM Orders
3 WHERE Freight > 500;

```

The results grid displays the following data:

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry
10372	QUEEN	5	1996-12-04 00:00:00	1997-01-10 00:00:00	1996-12-09 00:00:00	2	890.7800	Queen Cozinha	Alameda dos Carríos, 891	Sao Paulo	SP	05487-020	Brazil
10479	RATTC	3	1997-03-19 00:00:00	1997-04-16 00:00:00	1997-03-21 00:00:00	3	708.9500	Rattlesnake Canyon Grocery	2817 Milton Dr.	Albuquerque	NM	87110	USA
10514	ERNSH	3	1997-04-22 00:00:00	1997-05-20 00:00:00	1997-05-16 00:00:00	2	789.9500	Ernst Handel	Kirchgasse 6	Graz	NULL	8010	Austria
10540	QUICK	3	1997-05-19 00:00:00	1997-06-16 00:00:00	1997-06-13 00:00:00	3	1007.6400	QUICK-Stop	Tauferstrae 10	Cunewalde	NULL	1307	Germany
10612	SAVEA	1	1997-07-28 00:00:00	1997-08-25 00:00:00	1997-08-01 00:00:00	2	544.0800	Save-a-lot Markets	187 Suffolk Ln.	Boise	ID	83720	USA
10691	QUICK	2	1997-10-03 00:00:00	1997-11-14 00:00:00	1997-10-22 00:00:00	2	810.0500	QUICK-Stop	Tauferstrae 10	Cunewalde	NULL	1307	Germany
10816	GREAL	4	1998-01-06 00:00:00	1998-02-23 00:00:00	1998-02-04 00:00:00	2	719.7800	Great Lakes Food Market	2732 Baker Blvd.	Eugen	OR	97403	USA
10897	HUNGO	3	1998-02-19 00:00:00	1998-03-19 00:00:00	1998-02-25 00:00:00	2	603.5400	Hungry Owl All-Night Grocers	8 Johnstown Road	Cork	Co. Cork	NULL	Ireland
10912	HUNGO	2	1998-02-26 00:00:00	1998-03-26 00:00:00	1998-03-18 00:00:00	2	580.9100	Hungry Owl All-Night Grocers	8 Johnstown Road	Cork	Co. Cork	NULL	Ireland
10983	SAVEA	2	1998-03-27 00:00:00	1998-04-24 00:00:00	1998-04-06 00:00:00	2	657.5400	Save-a-lot Markets	187 Suffolk Ln.	Boise	ID	83720	USA
11017	ERNSH	9	1998-04-13 00:00:00	1998-05-11 00:00:00	1998-04-20 00:00:00	2	754.2600	Ernst Handel	Kirchgasse 6	Graz	NULL	8010	Austria
11030	SAVEA	7	1998-04-17 00:00:00	1998-05-15 00:00:00	1998-04-27 00:00:00	2	830.7500	Save-a-lot Markets	187 Suffolk Ln.	Boise	ID	83720	USA
11032	WHTTC	2	1998-04-17 00:00:00	1998-05-15 00:00:00	1998-04-23 00:00:00	3	606.1900	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124	USA

15. Create a report that shows the ProductName, UnitsInStock, UnitsOnOrder, ReorderLevel of all products that are up for reorder.

```

SELECT ProductName, UnitsInStock, UnitsOnOrder, ReorderLevel
FROM Products
WHERE ReorderLevel = 0;

```

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```

1 •  SELECT ProductName, UnitsInStock, UnitsOnOrder, ReorderLevel
2   FROM Products
3   WHERE ReorderLevel = 0;

```

The results grid displays the following data:

ProductName	UnitsInStock	UnitsOnOrder	ReorderLevel
Chef Anton's Cajun Seasoning	53	0	0
Chef Anton's Gumbo Mix	0	0	0
Northwoods Cranberry Sauce	6	0	0
Mishi Kobe Niku	29	0	0
Ikura	31	0	0
Queso Manchego La Pastora	86	0	0
Tofu	35	0	0
Alice Mutton	0	0	0
Carnarvon Tigers	42	0	0
Sir Rodney's Marmalade	40	0	0
Guaran FantaStica	20	0	0
Gumbr Gummibrchen	15	0	0
Rssle Sauerkraut	26	0	0
Thringer Rostbratwurst	0	0	0
Singaporean Hokkien Fried Mee	26	0	0
Spegesild	95	0	0
Zaanse koeken	36	0	0
Perth Pasties	0	0	0
Radlette Courdavault	79	0	0
Camembert Pierrot	19	0	0
Tarte au sucre	17	0	0
Louisiana Fiery Hot Pepper S...	76	0	0
Flotemysost	26	0	0
Mozzarella di Giovanni	14	0	0

16. Create a report that shows the CompanyName, ContactName number of all customers that have no fax number.

```

SELECT CompanyName, ContactName, Fax
FROM Customers
WHERE Fax IS NOT NULL;

```

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```

1 •  SELECT CompanyName, ContactName, Fax
2   FROM Customers
3   WHERE Fax IS NOT NULL;

```

The results grid displays the following data:

CompanyName	ContactName	Fax
Alfreds Futterkiste	Maria Anders	030-0076545
Ana Trujillo Emparedados y helados	Ana Trujillo	(5) 555-3745
Around the Horn	Thomas Hardy	(171) 555-6750
Berglunds snabbköp	Christina Berglund	0921-12 34 67
Blauer See Delikatessen	Hanna Moos	0621-08924
Blondesddel pre et fils	Frédérique Citeaux	88.60.15.32
Bilo Comidas preparadas	Martin Sommer	(91) 555 91 99
Bon app'	Laurence Lebihan	91.24.45.41
Bottom-Dollar Markets	Elizabeth Lincoln	(604) 555-3745
Cactus Comidas para llevar	Patricia Simpson	(1) 135-4892
Centro comercial Moctezuma	Francisco Chang	(5) 555-7293
Consolidated Holdings	Elizabeth Brown	(171) 555-9199
Drachenblut Delikatessen	Sven Ottlieb	0241-059428
Du monde entier	Janine Labrune	40.67.89.89
Eastern Connection	Ann Devon	(171) 555-3373
Ernst Handel	Roland Mendel	7675-3426
FISSA Fabrica Inter. Salchichas S.A.	Diego Roel	(91) 555 55 93
Folies gourmandes	Martine Ranc	20.16.10.17
Frankenversand	Peter Franken	089-0877451
France restauration	Carine Schnitt	40.32.21.20
Franchi S.p.A.	Paolo Accorti	011-4988261
Furia Bacalhau e Frutos do Mar	Lino Rodriguez	(1) 354-2535
Galera del gastronomo	Eduardo Saavedra	(93) 203 4561
GROSELLA-Restaurante	Manuel Pereira	(2) 283-3397
Uncle Bob's	Maria Omara	(511) 555-0234

17. Create a report showing all the odd numbers of OrderID from the orders table.

```
SELECT OrderID  
FROM Orders  
WHERE mod(OrderID,2)=1;
```

The screenshot shows the MySQL Workbench interface. At the top, there's a menu bar with File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons for database management. The main area is titled "SQL File 2" and contains the following SQL code:

```
1 •  SELECT OrderID  
2   FROM Orders  
3 WHERE mod(OrderID,2)=1;
```

Below the code, there's a "Result Grid" button, a "Filter Rows:" input field, an "Export:" button, and a "Wrap Cell Content:" button. The result grid displays a single column of data:

OrderID
10275
10285
10293
10311
10325
10351
10357
10361
10371
10377
10385
10387
10393
10401
10405
10453
10461
10465
10469
10473
10525
10537
10567
10579
10587

18. Create a report that shows the CompanyName, ContactName, Fax of all customers that do not have Fax number and sorted by ContactName.

```
SELECT CompanyName,ContactName,Fax  
FROM Customers  
WHERE Fax IS NOT NULL  
ORDER BY ContactName;
```

MySQL Workbench

The screenshot shows the MySQL Workbench interface with a query editor and a results grid.

Query Editor:

```

1 •  SELECT CompanyName,ContactName,Fax
2   FROM Customers
3   WHERE Fax IS NOT NULL
4   ORDER BY ContactName;
    
```

Result Grid:

CompanyName	ContactName	Fax
Romero y tomillo	Alejandra Camino	(91) 745 6210
Ana Trujillo Emparedados y helados	Ana Trujillo	(5) 555-3745
Tradio Hipermercados	Anabela Domingues	(11) 555-2168
Eastern Connection	Ann Devon	(171) 555-3373
La maison d'Asie	Annette Roulet	61.77.61.11
Split Rail Beer & Ale	Art Braunschweiger	(307) 555-6525
Que Delicia	Bernardo Batista	(21) 555-4545
France restauration	Carine Schmitt	40.32.21.20
LILA-Supermercado	Carlos Gonzlez	(9) 331-7256
HILARION-Abastos	Carlos Hernndez	(5) 555-1948
Maison Dewey	Catherine Dewey	(02) 201 24 68
Berglunds snabbkp	Christina Berglund	0921-12 34 67
La corne d'abondance	Daniel Tonini	30.59.85.11
FISSA Fabrica Inter. Salchichas S.A.	Diego Roel	(91) 555 55 93
Specialits du monde	Dominique Perrier	(1) 47.55.60.20
Galera del gastrnomo	Eduardo Saavedra	(93) 203 4561
Consolidated Holdings	Elizabeth Brown	(171) 555-9199
Bottom-Dollar Markets	Elizabeth Lincoln	(604) 555-3745
LINO-Delicatessen	Felipe Izquierdo	(8) 34-93-93
Lonesome Pine Restaurant	Fran Wilson	(503) 555-9646
Centro comercial Moctezuma	Francisco Chang	(5) 555-7293
Blondesddsl pre et fils	Frdrique Citeaux	88.60.15.32
Piccolo und mehr	Georg Pippes	6562-9723
Magazzini Alimentari Riuniti	Giovanni Rovelli	035-640231
Pericles Comidas clasicas	Guillermo Fernndez	(5) 545-3745

19. Create a report that shows the City, CompanyName, ContactName of customers from cities that have letter L in the name sorted by ContactName.

```

SELECT City,CompanyName,ContactName,city
FROM Customers
WHERE City LIKE "%L%"
ORDER BY ContactName;
    
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* | Limit to 1000 rows | Filter Rows: | Export: | Wrap Cell Content: |

```

1 •  SELECT City,CompanyName,ContactName,city
2   FROM Customers
3   WHERE City LIKE "%L%"
4   ORDER BY ContactName;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

City	CompanyName	ContactName	city
Leipzig	Morgenstern Gesundkost	Alexander Feuer	Leipzig
Sao Paulo	Tradio Hipermercados	Anabela Domingues	Sao Paulo
London	Eastern Connection	Ann Devon	London
Toulouse	La maison d'Asie	Annette Roulet	Toulouse
Sao Paulo	Familia Arquibaldo	Aria Cruz	Sao Paulo
Lander	Split Rail Beer & Ale	Art Braunschweiger	Lander
San Cristbal	HILARION-Abastos	Carlos Hernndez	San Cristbal
Bruxelles	Maison Dewey	Catherine Dewey	Bruxelles
Lule	Berglunds snabbkp	Christina Berglund	Lule
Versailles	La corne d'abondance	Daniel Tonini	Versailles
Barcelona	Galera del gastronomo	Eduardo Saavedra	Barcelona
London	Consolidated Holdings	Elizabeth Brown	London
Portland	Lonesome Pine Restaurant	Fran Wilson	Portland
Salzburg	Piccolo und mehr	Georg Pippes	Salzburg
London	Seven Seas Imports	Hari Kumar	London
Kirkland	Trail's Head Gourmet Pr...	Helvetius Nagy	Kirkland
Kin	Ottilies Kseladenen	Henriette Pfalzheim	Kin
Cunewalde	QUICK-Stop	Horst Kloss	Cunewalde
Lisboa	Princesa Isabel Vinhos	Isabel de Castro	Lisboa
Montreal	Mre Paillarde	Jean Fresnire	Montreal
Walla Walla	Lazy K Kountry Store	John Steel	Walla Walla
Sevilla	Godos Cocina Tpica	Jos Pedro Freyre	Sevilla
Seattle	White Clover Markets	Karl Jablonski	Seattle
Marseille	Bon app'	Laurence Lebihan	Marseille
Sao Paulo	Queen Cozinha	Lcia Carvalho	Sao Paulo

20. Create a report that shows the FirstName, LastName, BirthDate of employees born in the 1950s.

```

SELECT FirstName, LastName, BirthDate
FROM Employees
where BirthDate >= '1950-01-01'
AND BirthDate < '1960-01-01';

```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* | Limit to 1000 rows | Filter Rows: | Export: | Wrap Cell Content: |

```

1 •  SELECT FirstName, LastName, BirthDate
2   FROM Employees
3   where BirthDate >= '1950-01-01'
4   AND BirthDate < '1960-01-01';

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

FirstName	LastName	BirthDate
Andrew	Fuller	1952-02-19 00:00:00
Steven	Buchanan	1955-03-04 00:00:00
Laura	Callahan	1958-01-09 00:00:00

OR

```

SELECT FirstName, LastName, BirthDate
FROM Employees
where BirthDate Between '1950-01-01'

```

AND '1959-12-31';

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
1 •  SELECT FirstName, LastName, BirthDate
2   FROM Employees
3   where BirthDate Between '1950-01-01'
4   AND '1959-12-31';
```

The results grid displays three rows of data:

	FirstName	LastName	BirthDate
▶	Andrew	Fuller	1952-02-19 00:00:00
	Steven	Buchanan	1955-03-04 00:00:00
	Laura	Callahan	1958-01-09 00:00:00

21. Create a report that shows the FirstName, LastName, the year of Birthdate as birth year from the employees table.

```
SELECT LastName, FirstName, extract(year from Birthdate) AS BirthYear
FROM Employees;
```

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
1 •  SELECT LastName, FirstName, extract(year from Birthdate) AS BirthYear
2   FROM Employees;
```

The results grid displays ten rows of data:

	LastName	FirstName	BirthYear
▶	Davolio	Nancy	1948
	Fuller	Andrew	1952
	Leverling	Janet	1963
	Peacock	Margaret	1937
	Buchanan	Steven	1955
	Suyama	Michael	1963
	King	Robert	1960
	Callahan	Laura	1958
	Dodsworth	Anne	1966

22. Create a report that shows the ContactName, ContactTitle, CompanyName of customers that have no "Sales" in their ContactTitle.

```
SELECT ContactName, ContactTitle, CompanyName
FROM Customers
WHERE ContactTitle NOT LIKE "%Sales%";
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • `SELECT ContactName, ContactTitle, CompanyName`
2 `FROM Customers`
3 `WHERE ContactTitle NOT LIKE "%Sales%" ;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

ContactName	ContactTitle	CompanyName
Ana Trujillo	Owner	Ana Trujillo Emparedados y helados
Antonio Moreno	Owner	Antonio Moreno Taquera
Christina Berglund	Order Administrator	Berglunds snabbköp
Frdrique Citeaux	Marketing Manager	Blondesdds pre et fils
Martn Sommer	Owner	Bilbo Comidas preparadas
Laurence Lebihan	Owner	Bon app'
Elizabeth Lincoln	Accounting Manager	Bottom-Dollar Markets
Francisco Chang	Marketing Manager	Centro comercial Moctezuma
Yang Wang	Owner	Chop-suey Chinese
Sven Ottlieb	Order Administrator	Drachenblut Delikatessen
Janine Labrune	Owner	Du monde entier
Aria Cruz	Marketing Assistant	Familia Arquibaldo
Diego Roel	Accounting Manager	FISSA Fabrica Inter. Salchichas S.A.
Maria Larsson	Owner	Folk och f HB
Peter Franken	Marketing Manager	Frankenversand
Carine Schmitt	Marketing Manager	France restauration
Eduardo Saavedra	Marketing Manager	Galera del gastronomo
Howard Snyder	Marketing Manager	Great Lakes Food Market
Manuel Pereira	Owner	GROSELLA-Restaurante
Mario Pontes	Accounting Manager	Hanari Carnes
Helen Bennett	Marketing Manager	Island Trading
Yoshi Tannamuri	Marketing Assistant	Laughing Bacchus Wine Cellars
John Steel	Marketing Manager	Lazy K Kountry Store
Jaime Yorres	Owner	Let's Stop N Shop
Carlos Gonzlez	Accounting Manager	ITI A-Supermercado

23. Create a report that shows the LastName, FirstName, City of employees in cities other than "Seattle"

```
SELECT LastName, FirstName, City
FROM Employees
WHERE City != "Seattle";
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • `SELECT LastName, FirstName, City`
2 `FROM Employees`
3 `WHERE City != "Seattle";`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

LastName	FirstName	City
Fuller	Andrew	Tacoma
Leverling	Janet	Kirkland
Peacock	Margaret	Redmond
Buchanan	Steven	London
Suyama	Michael	London
King	Robert	London
Dodsworth	Anne	London

24. Create a report that shows the average UnitPrice rounded to the next whole number, total price of UnitsInStock and maximum number of orders from the products table. All saved as AveragePrice, TotalStock and MaxOrder respectively.

```
SELECT round (avg (UnitPrice),0) AS AveragePrice,
SUM(UnitsInStock) AS TotalStock,
max(UnitsOnOrder) as MaxOrder
FROM Products;
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1  SELECT round (avg (UnitPrice),0) AS AveragePrice,
2  SUM(UnitsInStock) AS TotalStock,
3  max(UnitsOnOrder) as MaxOrder
4  FROM Products;
```

The result grid shows the following data:

	AveragePrice	TotalStock	MaxOrder
▶	29	3119	100

25. Create a report that shows the SupplierID, CompanyName, CategoryName, ProductName and UnitPrice from the products, suppliers and categories table.

```
SELECT s.SupplierID, s.CompanyName, c.CategoryName, p.ProductName, p.UnitPrice
FROM Products p
JOIN Suppliers s
ON s.SupplierID = p.SupplierID
JOIN Categories C
On c.CategoryID = p.CategoryID;
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1  SELECT s.SupplierID, s.CompanyName, c.CategoryName, p.ProductName, p.UnitPrice
2  FROM Products p
3  JOIN Suppliers s
4  ON s.SupplierID = p.SupplierID
5  JOIN Categories C
6  On c.CategoryID = p.CategoryID;
```

The result grid shows the following data:

	SupplierID	CompanyName	CategoryName	ProductName	UnitPrice
▶	1	Exotic Liquids	Beverages	Chai	18.0000
	1	Exotic Liquids	Beverages	Chang	19.0000
	10	Refrescos Americanas LTDA	Beverages	Guanar FantaStica	4.5000
	16	Bigfoot Breweries	Beverages	Sasquatch Ale	14.0000
	16	Bigfoot Breweries	Beverages	Steeleye Stout	18.0000
	18	Aux joyeux ecclésiastiques	Beverages	Côte de Blaye	253.5000
	18	Aux joyeux ecclésiastiques	Beverages	Chartreuse verte	18.0000
	20	Leka Trading	Beverages	Ipoh Coffee	46.0000
	16	Bigfoot Breweries	Beverages	Laughing Lumberjack Lager	14.0000
	7	Pavlova, Ltd.	Beverages	Outback Lager	15.0000
	12	Plutzer Lebensmittelgroßmärk...	Beverages	Rhönbräu Klosterbier	7.7500
	23	Kärrki Oy	Beverages	Läkakkri	18.0000
	1	Exotic Liquids	Condiments	Aniseed Syrup	10.0000
	2	New Orleans Cajun Delights	Condiments	Chef Anton's Cajun Sea... soning	22.0000
	2	New Orleans Cajun Delights	Condiments	Chef Anton's Gumbo Mix	21.3500
	3	Grandma Kelly's Homestead	Condiments	Grandma's Boysenberry S...	25.0000
	3	Grandma Kelly's Homestead	Condiments	Northwoods Cranberry Sa...	40.0000
	6	Mayumi's	Condiments	Genen Shouyu	15.5000
	20	Leka Trading	Condiments	Gula Malacca	19.4500
	29	Forts d'ables	Condiments	Siroop d'able	28.5000
	7	Pavlova, Ltd.	Condiments	Vegie-spread	43.9000
	2	New Orleans Cajun Delights	Condiments	Louisiana Fiery Hot Pepp... er Sauce	21.0500
	2	New Orleans Cajun Delights	Condiments	Louisiana Hot Soiced Okra	17.0000

26. Create a report that shows the CustomerID, sum of Freight, from the orders table with a sum of freight greater \$200, grouped by CustomerID.

HINT: you will need to use a Groupby and a Having statement

```
SELECT CustomerID, sum(Freight)
FROM Orders
GROUP BY CustomerID
HAVING sum(Freight) > "200";
```

MySQL Workbench

The screenshot shows the MySQL Workbench interface. At the top, there's a menu bar with File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons for database management. A tab labeled 'SQL File 2' is active, containing the following SQL code:

```
1 •  SELECT CustomerID, sum(Freight)
2   FROM Orders
3   GROUP BY CustomerID
4   HAVING sum(Freight) > "200";
```

Below the code, the 'Result Grid' shows the results of the query:

CustomerID	sum(Freight)
ALFKI	225.5800
ANTON	268.5200
AROUT	471.9500
BERGS	1559.5200
BLONP	623.6600
BONAP	1357.8700
BOTTM	793.9500
BSBEV	281.3100
CHOPS	367.2400
DRACD	306.0400
EASTC	832.3400
ERNSH	6205.3900
FAMIA	232.7500
FOLIG	637.9400
FOLKO	1678.0800
FRANK	1403.4400
FURIB	278.6700
GODOS	568.2700
GOURL	322.3800
GREAL	1087.6100
HANAR	724.7700
HILAA	1259.1600
HJINGC	207.0800

27. Create a report that shows the EmployeeID, the LastName and FirstName as employee, and the LastName and FirstName of who they report to as manager from the employees table sorted by Employee ID.

HINT: This is a SelfJoin.

```
SELECT a.EmployeeID,
CONCAT (a.LastName, " ", a.FirstName )as employee,
CONCAT (b.LastName," ", b.FirstName ) as manager
FROM northwind.employees a
LEFT JOIN northwind.employees b
ON b.EmployeeID = a.ReportsTo
ORDER BY a.EmployeeID;
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • SELECT a.EmployeeID,
2 CONCAT (a.LastName, " ", a.FirstName)as employee,
3 CONCAT (b.LastName," ", b.FirstName) as manager
4 FROM northwind.employees a
5 LEFT JOIN northwind.employees b
6 ON b.EmployeeID = a.ReportsTo
7 ORDER BY a.EmployeeID;

Result Grid | Filter Rows: Export: Wrap Cell Content:

	EmployeeID	employee	manager
▶	1	Davolio Nancy	Fuller Andrew
	2	Fuller Andrew	HULL
	3	Leverling Janet	Fuller Andrew
	4	Peacock Margaret	Fuller Andrew
	5	Buchanan Steven	Fuller Andrew
	6	Suyama Michael	Buchanan Steven
	7	King Robert	Buchanan Steven
	8	Callahan Laura	Fuller Andrew
	9	Dodsworth Anne	Buchanan Steven

28. Create a report that shows the average, minimum and maximum UnitPrice of all products as AveragePrice, MinimumPrice and MaximumPrice respectively.

```
SELECT avg(UnitPrice) AS AveragePrice,  
min(UnitPrice)AS MinimumPrice,  
max(UnitPrice)AS MaximumPrice  
from Products;
```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 2* ×

1 • SELECT avg(UnitPrice) AS AveragePrice,
2 min(UnitPrice)AS MinimumPrice,
3 max(UnitPrice)AS MaximumPrice
4 from Products;

Result Grid | Filter Rows: Export: Wrap C

	AveragePrice	MinimumPrice	MaximumPrice
▶	28.86636364	2.5000	263.5000

29. Create a report that fetches the first 5 characters of categoryName from the category tables and renamed as ShortInfo

```
SELECT substring(CategoryName,1,5) as Short_info
FROM Categories;
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1  SELECT substring(CategoryName,1,5) as Short_info
2  FROM Categories;
```

The results are displayed in a "Result Grid" table with one column labeled "Short_info". The data rows are:

Short_info
Bever
Condi
Confe
Dairy
Grain
Meat/
Produ
Seaf

30. Create a report that shows the CompanyName and ProductName from all products in the Seafood category

```
SELECT s.CompanyName,p.ProductName
FROM Categories c
JOIN Products p
ON c.CategoryID = p.CategoryID
JOIN Suppliers s
ON s.SupplierID = p.SupplierID
WHERE CategoryName = "Seafood";
```

The screenshot shows the MySQL Workbench interface with a query editor window titled "SQL File 2". The query is:

```
1  SELECT s.CompanyName,p.ProductName
2  FROM Categories c
3  JOIN Products p
4  ON c.CategoryID = p.CategoryID
5  JOIN Suppliers s
6  ON s.SupplierID = p.SupplierID
7  WHERE CategoryName = "Seafood";
```

The results are displayed in a "Result Grid" table with two columns: "CompanyName" and "ProductName". The data rows are:

CompanyName	ProductName
Tokyo Traders	Ikura
Mayumi's	Konbu
Pavlova, Ltd.	Carnarvon Tigers
Nord-Ost-Fisch Handelsgesellschaft mbH	Nord-Ost Matjeshering
Svensk Sjöfda AB	Inlagd Sill
Svensk Sjöfda AB	Gravad lax
New England Seafood Cannery	Boston Crab Meat
New England Seafood Cannery	Jack's New England Clam Chowder
Lynghälsid	Røgede sild
Lynghälsid	Spägesild
Escargots Nouveaux	Escargots de Bourgogne
Svensk Sjöfda AB	Röd Kaviar

31. Create a report that shows the CategoryID, CompanyName and ProductName from all products in the categoryID 5.

```
SELECT c.CategoryID, s.CompanyName, p.ProductName
FROM Categories c
JOIN Products p
ON c.CategoryID = p.CategoryID
JOIN Suppliers s
ON s.SupplierID = p.SupplierID
WHERE c.CategoryID = "5";
```

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. A tab labeled "SQL File 2" is active, containing the following SQL code:

```
1 •  SELECT c.CategoryID, s.CompanyName, p.ProductName
2   FROM Categories c
3     JOIN Products p
4   ON c.CategoryID = p.CategoryID
5     JOIN Suppliers s
6   ON s.SupplierID = p.SupplierID
7 WHERE c.CategoryID = "5";
```

Below the code is a "Result Grid" table with three columns: CategoryID, CompanyName, and ProductName. The data is as follows:

CategoryID	CompanyName	ProductName
5	PB Knckebrd AB	Gustaf's Knckebrd
5	PB Knckebrd AB	Tunnbrd
5	Leka Trading	Singaporean Hokkien Fried Mee
5	G'day, Mate	Filo Mix
5	Pasta Buttini s.r.l.	Gnocchi di nonna Alice
5	Pasta Buttini s.r.l.	Ravioli Angelo
5	Plutzer Lebensmittelgrossmärkte AG	Wimmers gute Semmelknödel

32. Create a select statement that outputs the following from the employees table.

```
SELECT LastName, FirstName, Title, DATE_FORMAT(FROM_DAYS(DATEDIFF(CURRENT_DATE, BirthDate)), "%y Years ")
AS Age from Employees;
```

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. A tab labeled "SQL File 2" is active, containing the following SQL code:

```
1 •  SELECT LastName, FirstName, Title, DATE_FORMAT(FROM_DAYS(DATEDIFF(CURRENT_DATE, BirthDate)), "%y Years ")
2 AS Age from Employees;
```

Below the code is a "Result Grid" table with four columns: LastName, FirstName, Title, and Age. The data is as follows:

LastName	FirstName	Title	Age
Davolio	Nancy	Sales Representative	74 Years
Fürst	Andrew	Vice President, Sales	70 Years
Leverling	Janet	Sales Representative	59 Years
Peacock	Margaret	Sales Representative	85 Years
Buchanan	Steven	Sales Manager	67 Years
Suyama	Michael	Sales Representative	59 Years
King	Robert	Sales Representative	62 Years
Callahan	Laura	Inside Sales Coordinator	65 Years
Dodsworth	Anne	Sales Representative	57 Years

33. Create a report that the CompanyName and total number of orders by customer renamed as number of orders since December 31, 1994. Show number of Orders greater than 10.

```
SELECT c.CompanyName, count(c.CustomerID) AS NumberofOrders
FROM Customers c
JOIN Orders o
ON o.CustomerID = c.CustomerID
WHERE o.OrderDate >= '1994-12-31'
GROUP BY c.CustomerID
having count(c.CustomerID) > 10;
```

The screenshot shows the MySQL Workbench interface. At the top, there's a toolbar with various icons for database management. Below it is a menu bar with File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. A tab labeled "SQL File 2*" is active, containing the SQL query from above. Below the query editor is a "Result Grid" section with a table showing the results. The table has two columns: "CompanyName" and "NumberofOrders". The data includes rows for companies like Around the Horn, Berglunds snabbköp, and Bon app', with their respective order counts.

CompanyName	NumberofOrders
Around the Horn	13
Berglunds snabbköp	18
Blondesddsl pre et fils	11
Bon app'	17
Bottom-Dollar Markets	14
Ernst Handel	30
Folk och f HB	19
Frankenversand	15
Great Lakes Food Market	11
Hanari Carnes	14
HILARION-Abastos	18
Hungry Owl All-Night Gr...	19
Kniglich Essen	14
La maison d'Asie	14
Lehmanns Marktstand	15
LILA-Supermercado	14
LINO-Delicatessen	12
Mre Paillarde	13
Queen Cozinha	13
QUICK-Stop	28
Rattlesnake Canyon Gro...	18
Rommelskafferi	17

34. Create a select statement that outputs the following from the product table

```
SELECT CONCAT( ProductName, ' ', "weighs/is" , " ", QuantityPerUnit, " ", "and cost "$,ROUND(UnitPrice) )
AS ProductInfo
FROM Products;
```

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQL File 2* x

1 • `SELECT CONCAT(ProductName, ' ', "weighs/is", " ", QuantityPerUnit, " ", "and cost ", "$",ROUND(UnitPrice))`

2 AS ProductInfo

3 FROM Products;

Result Grid | Filter Rows: Export: Wrap Cell Content:

ProductInfo

Chai weighs/is 10 boxes x 20 bags and cost \$18
Chang weighs/is 24 - 12 oz bottles and cost \$19
Aniseed Syrup weighs/is 12 - 550 ml bottles and cost \$10
Chef Anton's Cajun Seasoning weighs/is 48 - 6 oz jars and cost \$22
Chef Anton's Gumbo Mix weighs/is 36 boxes and cost \$21
Grandma's Boysenberry Spread weighs/is 12 - 8 oz jars and cost \$25
Uncle Bob's Organic Dried Pears weighs/is 12 - 1 lb pkgs. and cost \$30
Northwoods Cranberry Sauce weighs/is 12 - 12 oz jars and cost \$40
Mishi Kobe Niku weighs/is 18 - 500 g pkgs. and cost \$97
Ikura weighs/is 12 - 200 ml jars and cost \$21
Queso Cabrillo weighs/is 1 kg pkg. and cost \$38
Queso Manchego La Pastor weighs/is 10 - 500 g pkgs. and cost \$38
Konbu weighs/is 2 kg box and cost \$6
Tofu weighs/is 40 - 100 g pkgs. and cost \$23
Geren Shouyu weighs/is 24 - 250 ml bottles and cost \$16
Pavlova weighs/is 32 - 500 g boxes and cost \$17
Alice Mutton weighs/is 20 - 1 kg tins and cost \$39
Carnarvon Tigers weighs/is 16 kg pkg. and cost \$63
Teatime Chocolate Biscuits weighs/is 10 boxes x 12 pieces and cost \$9
Sir Rodney's Marmalade weighs/is 30 gift boxes and cost \$81
Sir Rodney's Scones weighs/is 24 pkgs. x 4 pieces and cost \$10
Gustaf's Knickebrd weighs/is 24 - 500 g pkgs. and cost \$21

Result 57 x