

Queries and Answer Sets for HW3:

1. select firstname, lastname from employees where not (country='USA') and date_part('year', current_date) - date_part('year', hiredate) >= 5 order by firstname asc;

firstname	lastname
Anne	Dodsworth
Michael	Suyama
Robert	King
Steven	Buchanan

(4 rows)

2. select productid, productname, unitsinstock, unitprice from products where unitsinstock > 1 and unitsinstock <= reorderlevel;

productid	productname	unitsinstock	unitprice
2	Chang	17	19.00
3	Aniseed Syrup	13	10.00
11	Queso Cabrales	22	21.00
21	Sir Rodney's Scones	3	10.00
30	Nord-Ost Matjeshering	10	25.89
32	Mascarpone Fabioli	9	32.00
37	Gravad lax	11	26.00
43	Ipoh Coffee	17	46.00
45	Rogede sild	5	9.50
48	Chocolade	15	12.75
49	Maxilaku	10	20.00
56	Gnocchi di nonna Alice	21	38.00
64	Wimmers gute Semmelkn?del	22	33.25
66	Louisiana Hot Spiced Okra	4	17.00
68	Scottish Longbreads	6	12.50
70	Outback Lager	15	15.00
74	Longlife Tofu	4	10.00

(17 rows)

3. select productname, unitprice from products where unitprice = (select min(unitprice) from products) or unitprice = (select max(unitprice) from products);

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company(# );
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productname	unitprice
Geitost	2.50
Côte de Blaye	263.50

(2 rows)

4. select productid, productname, unitprice*unitsinstock as Total_Inventory_Value from products where unitprice*unitsinstock > 1000 order by unitprice*unitsinstock desc;

productid	productname	total_inventory_value
38	Côte de Blaye	4479.50
59	Raclette Courdavault	4345.00
12	Queso Manchego La Pastora	3268.00
20	Sir Rodney's Marmalade	3240.00
61	Sirop d'érable	3220.50
6	Grandma's Boysenberry Spread	3000.00
9	Mishi Kobe Niku	2813.00
55	Pâté chinois	2760.00
18	Carnarvon Tigers	2625.00
40	Boston Crab Meat	2263.20
22	Gustaf's Knäckebröd	2184.00
27	Schoggi Schokolade	2151.10
36	Inlagd Sill	2128.00
65	Louisiana Fiery Hot Pepper Sauce	1599.80
34	Sasquatch Ale	1554.00
73	Röd Kaviar	1515.00
39	Chartreuse verte	1242.00
28	Rössle Sauerkraut	1185.60
4	Chef Anton's Cajun Seasoning	1166.00
46	Spegesild	1140.00
25	NuNuCa Nuß-Nougat-Creme	1064.00
51	Manjimup Dried Apples	1060.00
50	Valkoinen suklaa	1056.25
63	Veggie-spread	1053.60
76	Lakkalikööri	1026.00

(25 rows)

5. select shipcountry, count(distinct orderid) from orders where (date_part('month', shippeddate) = 10 and date_part('year', shippeddate) = 2013) and not shipcountry = 'Germany' group by shipcountry;

shipcountry	count
Belgium	1
Canada	1
Finland	2
France	2
Ireland	2
Mexico	2
Portugal	2
Spain	1
Sweden	1
UK	3
USA	7
Venezuela	1

(12 rows)

6. select customerid, shipname from orders group by customerid, shipname having count(distinct orderid) >= 10;

customerid	shipname
AROUT	Around the Horn
BERGS	Berglunds snabbköp
BLOMP	Blondel père et fils
BONAP	Bon app
BOTTM	Bottom-Dollar Markets
BSBEV	Bs Beverages
ERNSH	Ernst Handel
FOLKO	Folk och få HB
FRANK	Frankenversand
GODOS	Godos Cocina Típica
GREAL	Great Lakes Food Market
HANAR	Hanari Carnes
HILAA	HILARIÓN-Abastos
HUNGO	Hungry Owl All-Night Grocers
ISLAT	Island Trading
KOENE	Königlich Essen
LAMAI	La maison d'Asie
LEHMS	Lehmanns Marktstand
LILAS	LILA-Supermercado
LINOD	LINO-Delicatesses
MAGAA	Magazzini Alimentari Riuniti
MEREP	Mère Paillard
PICCO	Piccolo und mehr
QUEEN	Queen Cozinha
QUICK	QUICK-Stop
RATTC	Rattlesnake Canyon Grocery
REGGC	Reggiani Caseifici
RICAR	Ricardo Adocicados
RICSU	Richter Supermarkt
SAVEA	Save-a-lot Markets
SUPRD	Suprêmes délices
TORTU	Tortuga Restaurante
VAFFE	Vaffeljernet
VICTE	Victuailles en stock
WANDK	Die Wandernde Kuh
WARTH	Wartian Herkku
WHITC	White Clover Markets

(37 rows)

7. select supplierid, sum(unitsinstock*unitprice) from products group by supplierid having count(distinct productid) >= 5;

supplierid	sum
7	4409.65
12	3301.85

(2 rows)

8. select companyname, productname, unitprice from suppliers left join products on suppliers.supplierid = products.supplierid where country = 'USA' or country = 'Germany' order by companyname;

companyname	productname	unitprice
Bigfoot Breweries	Sasquatch Ale	14.00
Bigfoot Breweries	Steeleye Stout	18.00
Bigfoot Breweries	Laughing Lumberjack Lager	14.00
Grandma Kelly's Homestead	Uncle Bob's Organic Dried Pears	30.00
Grandma Kelly's Homestead	Northwoods Cranberry Sauce	40.00
Grandma Kelly's Homestead	Grandma's Boysenberry Spread	25.00
Heli SÄÄ\009Fwaren GmbH & Co. KG	NuNuCa Nuß-Nougat-Creme	14.00
Heli SÄÄ\009Fwaren GmbH & Co. KG	Gumbär Gummibärchen	31.23
Heli SÄÄ\009Fwaren GmbH & Co. KG	Schoggi Schokolade	43.90
New England Seafood Cannery	Jack's New England Clam Chowder	9.65
New England Seafood Cannery	Boston Crab Meat	18.40
New Orleans Cajun Delights	Louisiana Hot Spiced Okra	17.00
New Orleans Cajun Delights	Chef Anton's Gumbo Mix	21.35
New Orleans Cajun Delights	Louisiana Fiery Hot Pepper Sauce	21.05
New Orleans Cajun Delights	Chef Anton's Cajun Seasoning	22.00
Nord-Ost-Fisch Handelsgesellschaft mbH	Nord-Ost Matjeshering	25.89
Plutzer Lebensmittelgroß\009Fmärkte AG	Wimmers gute Semmelknödel	33.25
Plutzer Lebensmittelgroß\009Fmärkte AG	Thüringer Rostbratwurst	123.79
Plutzer Lebensmittelgroß\009Fmärkte AG	Rössle Sauerkraut	45.60
Plutzer Lebensmittelgroß\009Fmärkte AG	Rhönbräu Klosterbier	7.75
Plutzer Lebensmittelgroß\009Fmärkte AG	Original Frankfurter grüne Soße	13.00

(21 rows)

9. select lastname, firstname, title, extension, count(distinct orderid) from employees e, orders o where e.employeeid = o.employeeid group by e.employeeid having count(distinct orderid) > 50 order by lastname, firstname desc;

lastname	firstname	title	extension	count
Callahan	Laura	Inside Sales Coordinator	2344	104
Davolio	Nancy	Sales Representative	5467	123
Fuller	Andrew	Vice President of Sales	3457	96
King	Robert	Sales Representative	465	72
Leverling	Janet	Sales Representative	3355	127
Peacock	Margaret	Sales Representative	5176	156
Suyama	Michael	Sales Representative	428	67

(7 rows)

10. select c.customerid, companyname from customers c left join orders o on c.customerid = o.customerid where o.customerid is NULL;

customerid	companyname
FISSA	FISSA Fabrica Inter. Salchichas S.A.
PARIS	Paris specialites

(2 rows)

11. select s.companyname, s.contactname, c.categoryname, c.description, p.productname, p.unitsonorder from suppliers s, products p, categories c where s.supplierid = p.supplierid and p.categoryid = c.categoryid and p.unitsinstock = 0;

companyname	contactname	categoryname	description	productname	unitsonorder
New Orleans Cajun Delights	Shelley Burke	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings	Chef Anton's Gumbo Mix	0
Formaggi Fortini s.r.l.	Elio Rossi	Dairy Products	Cheeses	Gorgonzola Telino	70
G'day Mate	Wendy Mackenzie	Meat/Poultry	Prepared meats	Perth Pasties	0
Plutzer Lebensmittelgroßhandel AG	Martin Bein	Meat/Poultry	Prepared meats	Thüringer Rostbratwurst	0
Pavlova Ltd.	Ian Devling	Meat/Poultry	Prepared meats	Alice Mutton	0

(5 rows)

12. select productname, s.companyname, s.country from products p, suppliers s where s.supplierid = p.supplierid and (quantityperunit like '%bags%' or quantityperunit like '%bottles%') group by productname, s.companyname, s.country;

productname	companyname	country
Aniseed Syrup	Exotic Liquids	UK
Chai	Exotic Liquids	UK
Chang	Exotic Liquids	UK
Côte de Blaye	Aux joyeux ecclésiastiques	France
Genen Shouyu	Mayumi's	Japan
Gula Malacca	Leka Trading	Singapore
Gumbär Gummibärchen	Heli Süßwaren GmbH & Co. KG	Germany
Laughing Lumberjack Lager	Bigfoot Breweries	USA
Louisiana Fiery Hot Pepper Sauce	New Orleans Cajun Delights	USA
Outback Lager	Pavlova Ltd.	Australia
Röhnbräu Klosterbier	Plutzer Lebensmittelgroßhandel AG	Germany
Sasquatch Ale	Bigfoot Breweries	USA
Sirop d'érable	Forêts d'érables	Canada
Steeleye Stout	Bigfoot Breweries	USA
Thüringer Rostbratwurst	Plutzer Lebensmittelgroßhandel AG	Germany
Wimmers gute Semmelknödel	Plutzer Lebensmittelgroßhandel AG	Germany

(16 rows)

13. create table if not exists Top_items (itemID int not null, itemCode int not null, itemName varchar(40) not null, inventoryDate timestamp not null, supplierID int not null, itemQuantity int not null, itemPrice int not null, primary key (itemID));
14. insert into Top_items (itemID, itemCode, itemName, inventoryDate, supplierID, itemQuantity, itemprice) select productid, categoryid, productname, current_timestamp, supplierid, unitsinstock, unitprice from products where products.unitsinstock*products.unitprice > 1500;
15. delete from top_items ti using suppliers s where s.supplierid = ti.supplierid and (s.country = 'USA' or s.country = 'Canada');
16. alter table top_items add column inventoryvalue decimal(9,2);
17. update top_items set inventoryvalue = itemprice * itemquantity;
18. drop table top_items;