Hw 3

use classicModels;

-- Query 1 (9)

select distinct city

FROM Customers

where Country = 'France'

order by City DESC;

	city
▶	Versailles
	Toulouse
	Strasbourg
	Reims
	Paris
	Nantes
	Marseille
	Lyon
	Lille

-- Query 2 (6)

select EmployeeNumber,LastName, FirstName,email

from Employees

where reportsTo = (

select EmployeeNumber From Employees
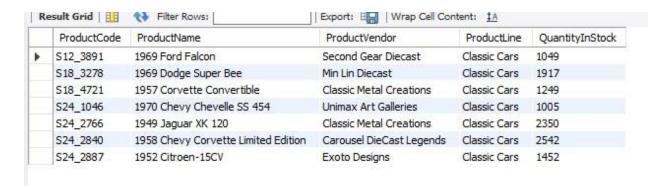
where firstName = 'Anthony' AND lastName ='Bow');

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

	EmployeeNumber	LastName	FirstName	email
▶	1165	Jennings	Leslie	ljennings@classicmodelcars.com
	1166	Thompson	Leslie	lthompson@classicmodelcars.com
	1188	Firrelli	Julie	jfirrelli@classicmodelcars.com
	1216	Patterson	Steve	spatterson@classicmodelcars.com
	1286	Tseng	Foon Yue	ftseng@classicmodelcars.com
	1323	Vanauf	George	gvanauf@classicmodelcars.com

George

-- Query 3 (7)

select ProductCode, ProductName, ProductVendor, ProductLine, QuantityInStock

From Products

where ProductLine = 'Classic Cars' AND (QuantityInStock > 1000 AND QuantityInStock < 3000);

ProductCode	ProductName	ProductVendor	ProductLine	QuantityInStock
S12_3891	1969 Ford Falcon	Second Gear Diecast	Classic Cars	1049
S18_3278	1969 Dodge Super Bee	Min Lin Diecast	Classic Cars	1917
S18_4721	1957 Corvette Convertible	Classic Metal Creations	Classic Cars	1249
S24_1046	1970 Chevy Chevelle SS 454	Unimax Art Galleries	Classic Cars	1005
S24_2766	1949 Jaguar XK 120	Classic Metal Creations	Classic Cars	2350
S24_2840	1958 Chevy Corvette Limited Edition	Carousel DieCast Legends	Classic Cars	2542
S24_2887	1952 Citroen-15CV	Exoto Designs	Classic Cars	1452

-- Query 4 (1)

select ProductCode, ProductName, ProductScale, quantityInStock, max(MSRP)

From Products

where ProductVendor = 'Exoto Designs';

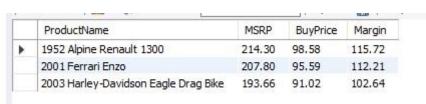| ProductCode	ProductName	ProductScale	quantityInStock	max(MSRP)
S12_4473	1957 Chevy Pickup	1:12	6125	118.50

-- Query 5 (3)

select ProductName, MSRP, BuyPrice,(MSRP - buyPrice) as Margin

From Products

order by Margin DESC

LIMIT 3;

ProductName	MSRP	BuyPrice	Margin
1952 Alpine Renault 1300	214.30	98.58	115.72
2001 Ferrari Enzo	207.80	95.59	112.21
2003 Harley-Davidson Eagle Drag Bike	193.66	91.02	102.64

-- Query 6 (10)

select customerNumber, customerName, phone, country, creditLimit

From customers

where creditLimit >120000

order by creditLimit DESC;

	customerNumber	customerName	phone	country	creditLimit
▶	141	Euro+ Shopping Channel	(91) 555 94 44	Spain	227600.00
	124	Mini Gifts Distributors Ltd.	4155551450	USA	210500.00
	298	Vida Sport, Ltd	0897-034555	Switzerland	141300.00
	151	Muscle Machine Inc	2125557413	USA	138500.00
	187	AV Stores, Co.	(171) 555-1555	UK	136800.00
	146	Saveley & Henriot, Co.	78.32.5555	France	123900.00
	286	Marta's Replicas Co.	6175558555	USA	123700.00
	386	L'ordine Souveniers	0522-556555	Italy	121400.00
	227	Heintze Collectables	86 21 3555	Denmark	120800.00
	259	Toms Spezialitäten, Ltd	0221-5554327	Germany	120400.00
*	NULL	NULL	NULL	NULL	NULL

-- **Query 7 (1)**

select c.customerName,o.customerNumber, count(o.customerNumber) as OrderCount,extract(MONTH FROM o.orderDate) as orderMonth FROM Orders O, Customers c

where o.customerNumber =c.customerNumber AND extract(YEAR FROM o.orderDate) = '2004'

group by o.customerNumber

having orderMonth >8

order by OrderCount DESC

limit 1;

	customerName	customerNumber	OrderCount	orderMonth
▶	Volvo Model Replicas, Co	144	3	11

-- **Query 8 (1)**

select c.customerNumber, c.customerName, c.phone, c.country,c.salesRepEmployeeNumber, sum(p.amount) as TotalAmount

FROM customers c, payments p

where p.customerNumber =c.customerNumber AND extract(YEAR FROM p.paymentDate) = '2004';

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

	customerNumber	customerName	phone	country	salesRepEmployeeNumber	TotalAmount
▶	103	Atelier graphique	40.32.2555	France	1370	4313328.25

-- **Query 9 (2)**

select OfficeCode, Phone, AddressLine1, City,Country

FROM Offices

WHERE AddressLine2 Is NULL ;

OfficeCode	Phone	AddressLine1	City	Country
4	+33 14 723 4404	43 Rue Jouffroy D'abbans	Paris	France
5	+81 33 224 5000	4-1 Kioicho	Tokyo	Japan

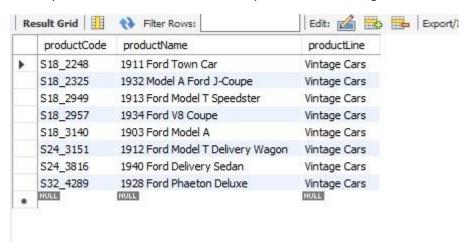**-- Query 10 (8)**

select productCode, productName, productLine

     from Products

where productName LIKE '%Ford%' AND productLine ='Vintage Cars' ;

productCode	productName	productLine
S18_2248	1911 Ford Town Car	Vintage Cars
S18_2325	1932 Model A Ford J-Coupe	Vintage Cars
S18_2949	1913 Ford Model T Speedster	Vintage Cars
S18_2957	1934 Ford V8 Coupe	Vintage Cars
S18_3140	1903 Ford Model A	Vintage Cars
S24_3151	1912 Ford Model T Delivery Wagon	Vintage Cars
S24_3816	1940 Ford Delivery Sedan	Vintage Cars
S32_4289	1928 Ford Phaeton Deluxe	Vintage Cars
NULL	NULL	NULL

-- Query 11 (3)

select OrderNumber, extract(Month FROM orderDate) as OrderMonth, extract(Day FROM orderDate) as OrderDay, extract(Month FROM shippedDate) as ShippedMonth, extract(Day FROM shippedDate) as ShippedDay

     from Orders

where abs(DATEDIFF(orderDate, shippedDate)) >7;

OrderNumber	OrderMonth	OrderDay	ShippedMonth	ShippedDay
10165	10	22	12	26
10210	1	12	1	20
10258	6	15	6	23

-- Query 12 (15)

select   e.employeeNumber, e.lastname, e.firstname,count(c.CustomerNumber) as NumberOfCustomers

FROM Employees e, Customers c

where c.salesRepEmployeeNumber = e.employeeNumber

AND jobTitle = 'Sales Rep'

group by e.employeeNumber;

employeeNumber	lastname	firstname	NumberOfCustomers
1165	Jennings	Leslie	6
1166	Thompson	Leslie	6
1188	Firrelli	Julie	6
1216	Patterson	Steve	6
1286	Tseng	Foon Yue	7
1323	Vanauf	George	8
1337	Bondur	Loui	6
1370	Hernandez	Gerard	7
1401	Castillo	Pamela	10
1501	Bott	Larry	8
1504	Jones	Barry	9
1611	Fixter	Andy	5
1612	Marsh	Peter	5
1621	Nishi	Mami	5
1702	Gerard	Martin	6

-- Query 13 (6)

select c.CustomerName, o.OrderNumber, o.status

from Orders o, Customers c

where o.customerNumber = c.customerNumber

AND o.shippedDate is NULL

AND c.country = 'USA';

CustomerName	OrderNumber	status
Mini Gifts Distributors Ltd.	10421	In Process
Land of Toys Inc.	10248	Cancelled
Diecast Classics Inc.	10422	In Process
Tekni Collectables Inc.	10401	On Hold
Gifts4AllAges.com	10414	On Hold
The Sharp Gifts Warehouse	10407	On Hold

-- Query 14 (6)

select c.customername, sum(p.amount) as Total

from customers c, payments p

where c.customerNumber = p.customerNumber

group by customerName

HAVING Total > 150000;

customername	Total
▶ Australian Collectors, Co.	180585.07
Mini Gifts Distributors Ltd.	584188.24
Euro+ Shopping Channel	715738.98
Dragon Souveniers, Ltd.	156251.03
Muscle Machine Inc	177913.95
Down Under Souveniers, Inc	154622.08

-- Query 15 (no output)

DROP TABLE IF EXISTS LowCustomers;

CREATE TABLE LowCustomers

  (

  CustomerNumber   int unique NOT NULL auto_increment,

  ContactDate   date NOT NULL ,

  OrderTotal   decimal(9,2) NOT NULL ,

  OrderCount int NOT NULL,

  constraint LowCustomer_PK Primary KEY (`CustomerNumber`)

);

-- Query 16 (insert 16 rows)

insert into LowCustomers (CustomerNumber,OrderCount,Ordertotal,ContactDate)

    select customerNumber, count(customername) as totalOrders ,sum(price) as totalValue,'2020-10-04'

    FROM (select customername,c.customerNumber, (od.priceEach *od.quantityOrdered) as price

        from customers c, orders o ,OrderDetails od

        where c.customerNumber = o.customerNumber

            AND od.orderNumber = o.orderNumber) AS CustomerOrders

group by customerName

Having totalValue < 50000 ;

-- Query 17 (16)

select *

FROM LowCustomers

order by OrderTotal DESC;

CustomerNumber	ContactDate	OrderTotal	OrderCount
447	2020-10-04	49967.78	19
189	2020-10-04	49898.27	16
344	2020-10-04	46751.14	13
211	2020-10-04	45480.79	16
475	2020-10-04	43748.72	13
487	2020-10-04	42570.37	15
347	2020-10-04	41506.19	14
173	2020-10-04	32198.69	11
415	2020-10-04	31310.09	14
489	2020-10-04	29586.15	12
456	2020-10-04	29230.43	10
381	2020-10-04	29217.18	8
473	2020-10-04	25358.32	8
103	2020-10-04	22314.36	7
198	2020-10-04	21554.26	8
219	2020-10-04	7918.60	3
NULL	NULL	NULL	NULL

-- Query 18 (no answer set)

ALTER TABLE LowCustomers

ADD CustomerRatings INT DEFAULT 0;

-- Query 19 (16 rows affected)

UPDATE LowCustomers

SET CustomerRatings = FLOOR(RAND()*(5-0+1)+0)

where CustomerNumber >= 0;

-- Query 20 (16)

select *

FROM LowCustomers

order by CustomerRatings DESC;

CustomerNumber	ContactDate	OrderTotal	OrderCount	CustomerRatings
103	2020-10-04	22314.36	7	5
211	2020-10-04	45480.79	16	5
473	2020-10-04	25358.32	8	5
475	2020-10-04	43748.72	13	5
198	2020-10-04	21554.26	8	4
219	2020-10-04	7918.60	3	4
381	2020-10-04	29217.18	8	4
489	2020-10-04	29586.15	12	4
344	2020-10-04	46751.14	13	3
487	2020-10-04	42570.37	15	3
189	2020-10-04	49898.27	16	2
456	2020-10-04	29230.43	10	2
347	2020-10-04	41506.19	14	1
173	2020-10-04	32198.69	11	0
415	2020-10-04	31310.09	14	0
447	2020-10-04	49967.78	19	0
NULL	NULL	NULL	NULL	NULL

-- Query 21 (no answer set)

DROP TABLE LowCustomers;