Tyler Valentine Homework 3 – SQL CSCI-3287 February 23rd, 2020

/* QUESTION 1 */ select city from customers where country = 'Australia' order by city ASC;



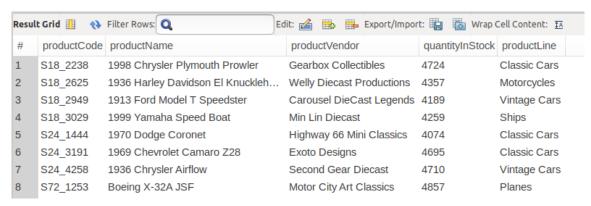
/* OUESTION 2 */

select employeeNumber, lastName, firstName, extension from employees where officeCode = (select officeCode from offices where city = 'Sydney');



/* QUESTION 3 */

select productCode, productName, productVendor, quantityInStock, productLine from products where quantityInStock > 4000 and quantityInStock < 5000;



/* OUESTION 4 */

select productCode, productName, productVendor, buyPrice, MSRP from products where MSRP = (select MSRP from products order by MSRP DESC limit 1);



/* QUESTION 5 */

select productName, MSRP, buyPrice, MSRP-buyPrice as 'margin' from products order by margin ASC limit 1:



/* QUESTION 6 */

select * from

(select country, count(customerNumber) as 'Customers' from customers group by country order by Customers DESC)

as Tyler

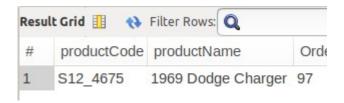
where Customers > 5;



/* QUESTION 7 */

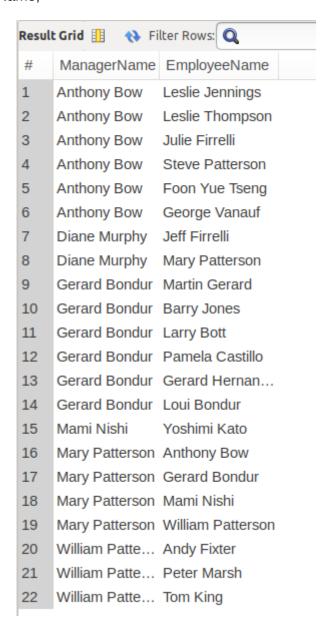
select products.productCode, productName, max(quantityOrdered) as 'OrderCount' from products, orderdetails where products.productCode = orderdetails.productCode group by productCode, productName order by OrderCount DESC

limit 1;



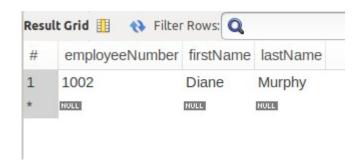
/* QUESTION 8 */

select concat(m.firstName, '',m.lastName) as ManagerName, concat(e.firstName, '', e.lastName) as EmployeeName from employees e join employees m on e.reportsTo = m.employeeNumber order by ManagerName;



/* QUESTION 9 */

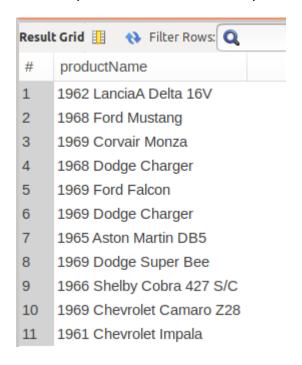
select employeeNumber, firstName, lastName from employees where reportsTo is null;



/* QUESTION 10 */

select productName from products

where productLine = 'Classic Cars' and productName > '1959' and productName < '1970';



/* QUESTION 11 */

select month(orderDate) as Month, year(orderDate) as Year, count(orderNumber) as Orders from orders

group by Month, Year Order by Orders DESC limit 2:

/* QUESTION 12 */

select firstName, lastname from employees
where employeeNumber not in (
select salesRepEmployeeNumber from customers
where salesRepEmployeeNumber is not null)

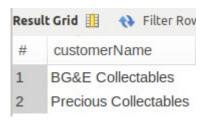
and jobTitle = 'Sales Rep';



/* QUESTION 13 */ select customerName from customers

where customerNumber not in (
select customerNumber from orders)

and country = 'Switzerland';



/* QUESTION 15 */

DROP TABLE IF EXISTS `LowCustomers`;

CREATE TABLE `LowCustomers`(

`customerNumber` INT(11) NOT NULL,

`contactDate` DATE NOT NULL,

`orderTotal` DECIMAL(9,2),

CONSTRAINT LowCustomer PK PRIMARY KEY ('customerNumber'));

4 12:29:08 CREATE TABLE `LowCustomers` (`customerNumber` INT... 0 row(s) affected, 1 warning(s):
1681 Integer display width is deprecated and will be removed in a future release.

/* QUESTION 16 */

select * from (

select customerNumber, SUM(tyler) as TotalOrderValue from (

select orders.customerNumber, orderdetails.orderNumber, SUM(quantityOrdered*priceEach) as tyler from orderdetails

left join orders on orderdetails.orderNumber = orders.orderNumber

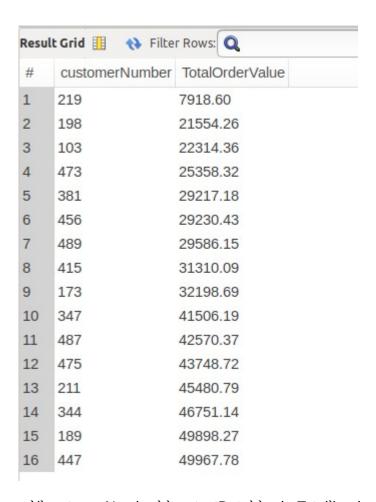
group by orders.customerNumber, orderdetails.orderNumber) as newTable

group by customerNumber) as newerTable

where TotalOrderValue < 50000

Group by customerNumber

order by customerNumber ASC;



```
insert into `LowCustomers` (`customerNumber`, `contactDate`, `orderTotal`) values
(103, '2020-2-21', 22314.36),
(173, '2020-2-21', 32198.69),
(189, '2020-2-21', 49898.27),
(198, '2020-2-21', 21554.26),
(211, '2020-2-21', 45480.79),
(219, '2020-2-21', 7918.60),
(344, '2020-2-21', 46751.14),
(347, '2020-2-21', 41506.19),
(381, '2020-2-21', 29217.18),
(415, '2020-2-21', 31310.09),
(447, '2020-2-21', 49967.78),
(456, '2020-2-21', 29230.43),
(473, '2020-2-21', 25358.32),
(475, '2020-2-21', 43748.72),
(487, '2020-2-21', 42570.37),
(489,'2020-2-21',29586.15);
```

/* QUESTION 17 */ select * from LowCustomers order by orderTotal DESC;

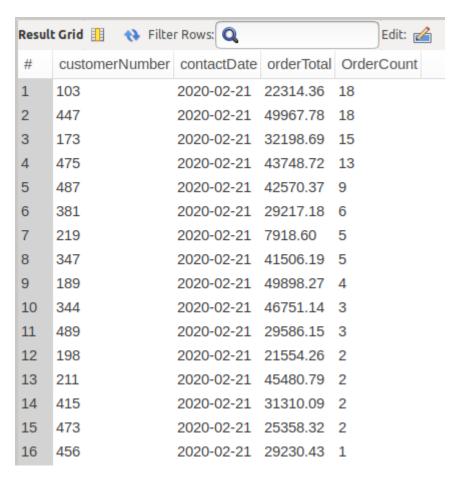
Result Grid 🎚 🙌 Filter Rows: 🔍				
#	customerNumber	contactDate	orderTotal	
1	447	2020-02-21	49967.78	
2	189	2020-02-21	49898.27	
3	344	2020-02-21	46751.14	
4	211	2020-02-21	45480.79	
5	475	2020-02-21	43748.72	
6	487	2020-02-21	42570.37	
7	347	2020-02-21	41506.19	
8	173	2020-02-21	32198.69	
9	415	2020-02-21	31310.09	
10	489	2020-02-21	29586.15	
11	456	2020-02-21	29230.43	
12	381	2020-02-21	29217.18	
13	473	2020-02-21	25358.32	
14	103	2020-02-21	22314.36	
15	198	2020-02-21	21554.26	
16	219	2020-02-21	7918.60	

/* QUESTION 18 */
ALTER TABLE LowCustomers
ADD OrderCount Int;

•	62	14:38:28	ALTER TABLE LowCustomers ADD OrderCount Int	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
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/* QUESTION 19 */
UPDATE LowCustomers
SET OrderCount = FLOOR(rand()*10000)%19
WHERE OrderCount IS NULL;

/* QUESTION 20 */ select * from LowCustomers order by OrderCount DESC;



/* QUESTION 21 */
drop table LowCustomers;

● 80 15:20:50 drop table LowCustomers 0 row(s) affected