CECS 323
Spring 2020
Lab Midterm 2

1. List the customer name of all customers who have never ordered any product from the 'Classic Cars' productLine.

select distinct customername from customers

except

select distinct customername from customers natural join orders natural join orderdetails natural join PRODUCTS

where PRODUCTLINE = 'Classic Cars';

ANG Resellers

American Souvenirs Inc

Anton Designs, Ltd.

Asian Shopping Network, Co

Asian Treasures, Inc.

Auto-Moto Classics Inc.

BG&E Collectables

Bavarian Collectables Imports, Co.

Cramer Spezialitäten, Ltd

Der Hund Imports

Feuer Online Stores, Inc

Franken Gifts, Co

Havel & Zbyszek Co

King Kong Collectables, Co.

Kommission Auto

Kremlin Collectables, Co.

Lisboa Souveniers, Inc

Messner Shopping Network

Mit Vergnügen & Co.

Natürlich Autos

Porto Imports Co.

Precious Collectables

Raanan Stores, Inc

SAR Distributors, Co

Schuyler Imports

Stuttgart Collectable Exchange

Tekni Collectables Inc.

2. List the customers who share the same postal code. Make sure that no pair of customers shows up more than once. Order by the first customer name, then the second.

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SELECT     c1.customername     as     first_customer_name,     c2.customername     as
second_customer_name from
customers c1,
customers c2
where c1.customernumber < c2.customernumber
and c1.postalcode = c2.postalcode
order by first_customer_name, second_customer_name;
```

American Souvenirs Inc	Super Scale Inc.
Atelier graphique	La Rochelle Gifts
Auto-Moto Classics Inc.	Collectables For Less Inc.
Auto-Moto Classics Inc.	Online Mini Collectables
Blauer See Auto, Co.	Messner Shopping Network
CAF Imports	Anton Designs, Ltd.
CAF Imports	Corrida Auto Replicas, Ltd
Cambridge Collectables Co.	Marta's Replicas Co.
Classic Gift Ideas, Inc	Motor Mint Distributors Inc.
Classic Legends Inc.	Microscale Inc.
Corporate Gift Ideas Co.	Signal Collectibles Ltd.
Corporate Gift Ideas Co.	The Sharp Gifts Warehouse
Corrida Auto Replicas, Ltd	Anton Designs, Ltd.
Gifts4AllAges.com	Diecast Collectables
Land of Toys Inc.	Classic Legends Inc.
Land of Toys Inc.	Microscale Inc.
Land of Toys Inc.	Muscle Machine Inc
Land of Toys Inc.	Vitachrome Inc.
Mini Creations Ltd.	FunGiftIdeas.com
Mini Gifts Distributors Ltd.	Gift Depot Inc.
Mini Wheels Co.	Corporate Gift Ideas Co.
Mini Wheels Co.	Signal Collectibles Ltd.
Mini Wheels Co.	Technics Stores Inc.
Mini Wheels Co.	The Sharp Gifts Warehouse

Muscle Machine Inc   Classic Legends Inc.
Muscle Machine Inc   Microscale Inc.
Muscle Machine Inc   Vitachrome Inc.
Online Mini Collectables   Collectables For Less Inc.
Technics Stores Inc.   Corporate Gift Ideas Co.
Technics Stores Inc.   Signal Collectibles Ltd.
Technics Stores Inc.   The Sharp Gifts Warehouse
Tekni Collectables Inc.   West Coast Collectables Co.
The Sharp Gifts Warehouse   Signal Collectibles Ltd.
Vitachrome Inc.   Classic Legends Inc.

3. List the cities and states in which we have either offices or customers. Have the query identify whether the address is associated with an office or a customer. Do not include rows where the state is null.

select city,state, 'customers' as category from CUSTOMERS where state is not null

 union

select city, state, 'offices' as category from offices where state is not null;

Allentown   PA   customer
Boston MA   customer
Boston MA   offices
Brickhaven   MA   customer
Bridgewater   CT   customer
Brisbane   CA   customer
Burbank   CA   customer
Burlingame   CA   customer
Cambridge   MA   customer
Chatswood   NSW   customer
Cork   Co. Cork   customer
Cowes Isle of Wight   customer
Glen Waverly   Victoria   customer
Glendale   CA   customer
Glendale   CT   customer
Hatfield   Pretoria   customer
Kita-ku Osaka   customer
Las Vegas   NV   customer
Los Angeles   CA   customer
Melbourne   Victoria   customer
Minato-ku   Tokyo   customer
Montréal   Québec customer
NYC   NY   customer
NYC   NY   offices
Nashua   NH   customer
New Bedford   MA   customer
New Haven   CT   customer
Newark   NJ   customer

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North Sydney  NSW    customer
Pasadena      CA     customer
Philadelphia  PA     customer
San Diego     CA     customer
San Francisco CA     customer
San Francisco CA     offices
San Jose      CA     customer
San Rafael    CA     customer
South Brisbane       Queensland    customer
Tokyo  Chiyoda-Ku    offices
Tsawassen     BC     customer
Vancouver     BC     customer
White Plains  NY     customer
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4. Which customers made payments greater than twice the average individual payment?

   SELECT distinct CUSTOMERNAME from CUSTOMERS
   natural join PAYMENTS
   where AMOUNT > 2 * (SELECT avg(amount) from PAYMENTS);

   Australian Collectors, Co.
   Collectable Mini Designs Co.
   Corporate Gift Ideas Co.
   Down Under Souveniers, Inc
   Dragon Souveniers, Ltd.
   Euro+ Shopping Channel
   Herkku Gifts
   Mini Gifts Distributors Ltd.

5. What product has the most value in our inventory (instock*MSRP)?

SELECT PRODUCTNAME from PRODUCTS
where QUANTITYINSTOCK * MSRP >= all(SELECT QUANTITYINSTOCK * MSRP as product_values from PRODUCTS);

1952 Alpine Renault 1300