Nhan Vo

Lab Midterm#1

/\*jt02 - For every customer, list the customer name, the last name and first name of the sales rep for that customer,

and the country of the office where the sales representative works. Order by Customer Name. Returns 122 rows.\*/

**Answer:**

SELECT CUSTOMERS.CUSTOMERNAME, EMPLOYEES.LASTNAME, EMPLOYEES.FIRSTNAME, OFFICES.COUNTRY FROM CUSTOMERS

LEFT OUTER JOIN EMPLOYEES ON CUSTOMERS.SALESREPEMPLOYEENUMBER=EMPLOYEES.EMPLOYEENUMBER

LEFT OUTER JOIN OFFICES ON EMPLOYEES.OFFICECODE=OFFICES.OFFICECODE

ORDER BY CUSTOMERS.CUSTOMERNAME;

**Output:**

|  |  |  |  |
| --- | --- | --- | --- |
| CUSTOMERNAME | LASTNAME | FIRSTNAME | COUNTRY |
| ANG Resellers |  |  |  |
| AV Stores, Co. | Bott | Larry | UK |
| Alpha Cognac | Hernandez | Gerard | France |
| American Souvenirs Inc | Tseng | Foon Yue | USA |
| Amica Models & Co. | Castillo | Pamela | France |
| Anna's Decorations, Ltd | Fixter | Andy | Australia |
| Anton Designs, Ltd. |  |  |  |
| Asian Shopping Network, Co |  |  |  |
| Asian Treasures, Inc. |  |  |  |
| Atelier graphique | Hernandez | Gerard | France |
| Australian Collectables, Ltd | Fixter | Andy | Australia |
| Australian Collectors, Co. | Fixter | Andy | Australia |
| Australian Gift Network, Co | Fixter | Andy | Australia |
| Auto AssociÃ©s & Cie. | Hernandez | Gerard | France |
| Auto Canal+ Petit | Bondur | Loui | France |
| Auto-Moto Classics Inc. | Patterson | Steve | USA |
| BG&E Collectables |  |  |  |
| Baane Mini Imports | Jones | Barry | UK |
| Bavarian Collectables Imports, Co. | Jones | Barry | UK |
| Blauer See Auto, Co. | Jones | Barry | UK |
| Boards & Toys Co. | Thompson | Leslie | USA |
| CAF Imports | Gerard | Martin | France |
| Cambridge Collectables Co. | Firrelli | Julie | USA |
| Canadian Gift Exchange Network | Vanauf | George | USA |
| Classic Gift Ideas, Inc | Firrelli | Julie | USA |
| Classic Legends Inc. | Tseng | Foon Yue | USA |
| Clover Collections, Co. | Jones | Barry | UK |
| Collectable Mini Designs Co. | Thompson | Leslie | USA |
| Collectables For Less Inc. | Firrelli | Julie | USA |
| Corporate Gift Ideas Co. | Jennings | Leslie | USA |
| Corrida Auto Replicas, Ltd | Gerard | Martin | France |
| Cramer SpezialitÃ¤ten, Ltd |  |  |  |
| Cruz & Sons Co. | Nishi | Mami | Japan |
| Daedalus Designs Imports | Hernandez | Gerard | France |
| Danish Wholesale Imports | Castillo | Pamela | France |
| Der Hund Imports |  |  |  |
| Diecast Classics Inc. | Patterson | Steve | USA |
| Diecast Collectables | Firrelli | Julie | USA |
| Double Decker Gift Stores, Ltd | Bott | Larry | UK |
| Down Under Souveniers, Inc | Marsh | Peter | Australia |
| Dragon Souveniers, Ltd. | Nishi | Mami | Japan |
| Enaco Distributors | Gerard | Martin | France |
| Euro+ Shopping Channel | Hernandez | Gerard | France |
| Extreme Desk Decorations, Ltd | Marsh | Peter | Australia |
| Feuer Online Stores, Inc |  |  |  |
| Franken Gifts, Co |  |  |  |
| Frau da Collezione | Castillo | Pamela | France |
| [FunGiftIdeas.com](http://fungiftideas.com) | Patterson | Steve | USA |
| Gift Depot Inc. | Vanauf | George | USA |
| Gift Ideas Corp. | Vanauf | George | USA |
| [Gifts4AllAges.com](http://gifts4allages.com) | Patterson | Steve | USA |
| [GiftsForHim.com](http://giftsforhim.com) | Marsh | Peter | Australia |
| Handji Gifts& Co | Marsh | Peter | Australia |
| Havel & Zbyszek Co |  |  |  |
| Heintze Collectables | Castillo | Pamela | France |
| Herkku Gifts | Jones | Barry | UK |
| Iberia Gift Imports, Corp. | Gerard | Martin | France |
| Kelly's Gift Shop | Marsh | Peter | Australia |
| King Kong Collectables, Co. | Nishi | Mami | Japan |
| Kommission Auto |  |  |  |
| Kremlin Collectables, Co. |  |  |  |
| L'ordine Souveniers | Castillo | Pamela | France |
| La Corne D'abondance, Co. | Bondur | Loui | France |
| La Rochelle Gifts | Hernandez | Gerard | France |
| Land of Toys Inc. | Vanauf | George | USA |
| Lisboa Souveniers, Inc |  |  |  |
| Lyon Souveniers | Bondur | Loui | France |
| Marseille Mini Autos | Bondur | Loui | France |
| Marta's Replicas Co. | Patterson | Steve | USA |
| Men 'R' US Retailers, Ltd. | Thompson | Leslie | USA |
| Messner Shopping Network |  |  |  |
| Microscale Inc. | Tseng | Foon Yue | USA |
| Mini Auto Werke | Castillo | Pamela | France |
| Mini Caravy | Hernandez | Gerard | France |
| Mini Classics | Vanauf | George | USA |
| Mini Creations Ltd. | Firrelli | Julie | USA |
| Mini Gifts Distributors Ltd. | Jennings | Leslie | USA |
| Mini Wheels Co. | Jennings | Leslie | USA |
| Mit VergnÃ¼gen & Co. |  |  |  |
| Motor Mint Distributors Inc. | Vanauf | George | USA |
| Muscle Machine Inc | Tseng | Foon Yue | USA |
| NatÃ¼rlich Autos |  |  |  |
| Norway Gifts By Mail, Co. | Jones | Barry | UK |
| Online Diecast Creations Co. | Patterson | Steve | USA |
| Online Mini Collectables | Firrelli | Julie | USA |
| Osaka Souveniers Co. | Nishi | Mami | Japan |
| Oulu Toy Supplies, Inc. | Bott | Larry | UK |
| Petit Auto | Castillo | Pamela | France |
| Porto Imports Co. |  |  |  |
| Precious Collectables | Gerard | Martin | France |
| QuÃ©bec Home Shopping Network | Tseng | Foon Yue | USA |
| Raanan Stores, Inc |  |  |  |
| Reims Collectables | Bondur | Loui | France |
| Rovelli Gifts | Castillo | Pamela | France |
| Royal Canadian Collectables, Ltd. | Vanauf | George | USA |
| Royale Belge | Castillo | Pamela | France |
| SAR Distributors, Co |  |  |  |
| Salzburg Collectables | Castillo | Pamela | France |
| Saveley & Henriot, Co. | Bondur | Loui | France |
| Scandinavian Gift Ideas | Jones | Barry | UK |
| Schuyler Imports |  |  |  |
| Signal Collectibles Ltd. | Jennings | Leslie | USA |
| Signal Gift Stores | Thompson | Leslie | USA |
| Souveniers And Things Co. | Fixter | Andy | Australia |
| Stuttgart Collectable Exchange |  |  |  |
| Stylish Desk Decors, Co. | Bott | Larry | UK |
| Suominen Souveniers | Bott | Larry | UK |
| Super Scale Inc. | Tseng | Foon Yue | USA |
| Technics Stores Inc. | Jennings | Leslie | USA |
| Tekni Collectables Inc. | Vanauf | George | USA |
| The Sharp Gifts Warehouse | Jennings | Leslie | USA |
| Tokyo Collectables, Ltd | Nishi | Mami | Japan |
| Toms SpezialitÃ¤ten, Ltd | Jones | Barry | UK |
| Toys of Finland, Co. | Bott | Larry | UK |
| [Toys4GrownUps.com](http://toys4grownups.com) | Thompson | Leslie | USA |
| UK Collectables, Ltd. | Bott | Larry | UK |
| Vida Sport, Ltd | Gerard | Martin | France |
| Vitachrome Inc. | Tseng | Foon Yue | USA |
| Volvo Model Replicas, Co | Jones | Barry | UK |
| Warburg Exchange |  |  |  |
| West Coast Collectables Co. | Thompson | Leslie | USA |
| [giftsbymail.co.uk](http://giftsbymail.co.uk) | Bott | Larry | UK |

/\*oj01 - For each office, list the number of customers who are served by an employee working in that office.

Be sure to show all offices. List the office code and the number of customers. Order by the count of customers in ascending order. Returns 7 rows.\*/

**Answer:**

SELECT OFFICES.OFFICECODE, COUNT(CUSTOMERS.CUSTOMERNUMBER) AS CUSTOMER\_COUNT FROM OFFICES

INNER JOIN EMPLOYEES ON OFFICES.OFFICECODE=EMPLOYEES.OFFICECODE

INNER JOIN CUSTOMERS ON CUSTOMERS.SALESREPEMPLOYEENUMBER=EMPLOYEES.EMPLOYEENUMBER

GROUP BY OFFICES.OFFICECODE ORDER BY COUNT(CUSTOMERS.CUSTOMERNUMBER) ASC;

**Output:**

|  |  |
| --- | --- |
| OFFICECODE | CUSTOMER\_COUNT |
| 5 | 5 |
| 6 | 10 |
| 2 | 12 |
| 1 | 12 |
| 3 | 15 |
| 7 | 17 |
| 4 | 29 |

/\*ag05 - List the order number of every order that calls for products from > 10 different vendors. Remember that the count aggregate function

has an optional distinct keyword that you can put into the expression that you are counting so that the count does not count duplicates.

In this case, the same vendor could supply more than one product in a given order, but we only want to count that vendor once.

Order the order numbers in ascending order. Returns 23 rows.

\*/

**Answer:**

SELECT ORDERDETAILS.ORDERNUMBER, COUNT(DISTINCT PRODUCTS.PRODUCTVENDOR) AS VENDOR\_COUNT FROM ORDERDETAILS

INNER JOIN PRODUCTS ON ORDERDETAILS.PRODUCTCODE= PRODUCTS.PRODUCTCODE GROUP BY ORDERDETAILS.ORDERNUMBER

HAVING COUNT(DISTINCT PRODUCTS.PRODUCTVENDOR)>10 ORDER BY ORDERDETAILS.ORDERNUMBER ASC;

**Output:**

|  |  |
| --- | --- |
| ORDERNUMBER | VENDOR\_COUNT |
| 10106 | 11 |
| 10120 | 11 |
| 10168 | 12 |
| 10181 | 11 |
| 10193 | 11 |
| 10204 | 12 |
| 10210 | 11 |
| 10223 | 11 |
| 10262 | 11 |
| 10266 | 11 |
| 10275 | 12 |
| 10280 | 11 |
| 10304 | 11 |
| 10306 | 11 |
| 10308 | 11 |
| 10312 | 11 |
| 10316 | 11 |
| 10324 | 12 |
| 10339 | 11 |
| 10350 | 12 |
| 10358 | 12 |
| 10386 | 11 |
| 10398 | 11 |

/\*wh03 - List the order number, order date and shipped date for orders made between June 16, 2014 and July 7, 2014 and shipped between June 20, 2014 and July 31, 2014.

Display the list sorted by shipped date. Returns 6 rows.\*/

**Answer:**

SELECT ORDERS.ORDERNUMBER, ORDERS.ORDERDATE, ORDERS.SHIPPEDDATE FROM ORDERS WHERE (ORDERS.ORDERDATE BETWEEN '2014-6-16' AND '2014-7-7')

AND (ORDERS.SHIPPEDDATE BETWEEN '2014-6-20' AND '2014-7-31') ORDER BY ORDERS.SHIPPEDDATE;

**Output:**

|  |  |  |
| --- | --- | --- |
| ORDERNUMBER | ORDERDATE | SHIPPEDDATE |
| 10261 | 2014-06-17 | 2014-06-22 |
| 10264 | 2014-06-30 | 2014-07-01 |
| 10263 | 2014-06-28 | 2014-07-02 |
| 10265 | 2014-07-02 | 2014-07-07 |
| 10267 | 2014-07-07 | 2014-07-09 |
| 10266 | 2014-07-06 | 2014-07-10 |

/\*ca01 – The MSRP is the Manufacturer’s suggested retail price for each item. The buyPrice is what we pay for the item. The MSRP may or may not reflect what we sell that item for,

but it indicates what sort of profit we might make. Calculate the percentage profit (100\* (MSRP - buyprice)/buyprice) that we could make on each item if we charged the MSRP,

and display those products for which the profit would be at least 125% in descending order by profit. Returns 14.\*/

**Answer:**

SELECT PRODUCTS.PRODUCTNAME, (100\*(MSRP-PRODUCTS.BUYPRICE)/PRODUCTS.BUYPRICE) AS PERCENT\_PROFIT FROM PRODUCTS

WHERE (100\*(MSRP-PRODUCTS.BUYPRICE)/PRODUCTS.BUYPRICE)>=125 ORDER BY (100\*(MSRP-PRODUCTS.BUYPRICE)/PRODUCTS.BUYPRICE) DESC;

**Output:**

|  |  |
| --- | --- |
| PRODUCTNAME | PERCENT\_PROFIT |
| 1961 Chevrolet Impala | 150.0463965 |
| 1937 Horch 930V Limousine | 150.0000000 |
| 1970 Plymouth Hemi Cuda | 150.0000000 |
| 1936 Harley Davidson El Knucklehead | 149.9793644 |
| 1926 Ford Fire Engine | 143.8603531 |
| 2002 Yamaha YZR M1 | 138.1035996 |
| Corsair F4U ( Bird Cage) | 132.5835037 |
| 1928 Mercedes-Benz SSK | 132.5661521 |
| 1950's Chicago Surface Lines Streetcar | 132.5598802 |
| 1999 Indy 500 Monte Carlo SS | 132.5581395 |
| 1982 Lamborghini Diablo | 132.5123153 |
| 1948 Porsche Type 356 Roadster | 127.2844273 |
| 2002 Suzuki XREO | 127.2823299 |
| HMS Bounty | 127.26588 |