**NHAN VO**

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**/\*so06 - Using the proper set operator, list all of the products that belong to the ‘Planes’ product line, that were ordered in 2014,**

**during both the month of November and the month of December. Order by the product name. Returns 12 rows.\*/**

SELECT PRODUCTS.PRODUCTNAME, PRODUCTS.PRODUCTLINE FROM PRODUCTS

WHERE PRODUCTS.PRODUCTLINE='Planes'

INTERSECT

SELECT PRODUCTS.PRODUCTNAME, PRODUCTS.PRODUCTLINE FROM PRODUCTS INNER JOIN

ORDERDETAILS ON ORDERDETAILS.PRODUCTCODE=PRODUCTS.PRODUCTCODE

INNER JOIN ORDERS ON ORDERS.ORDERNUMBER=ORDERDETAILS.ORDERNUMBER

WHERE ORDERS.ORDERDATE>'2014-11-1' AND ORDERS.ORDERDATE<'2014-12-31'

ORDER BY PRODUCTNAME;

|  |  |
| --- | --- |
| PRODUCTNAME | PRODUCTLINE |
| 1900s Vintage Bi-Plane | Planes |
| 1900s Vintage Tri-Plane | Planes |
| 1928 British Royal Navy Airplane | Planes |
| 1980s Black Hawk Helicopter | Planes |
| ATA: B757-300 | Planes |
| America West Airlines B757-200 | Planes |
| American Airlines: B767-300 | Planes |
| American Airlines: MD-11S | Planes |
| Boeing X-32A JSF | Planes |
| Corsair F4U ( Bird Cage) | Planes |
| F/A 18 Hornet 1/72 | Planes |
| P-51-D Mustang | Planes |

**/\*ms04 - List the customers who have never ordered anything from any of the ‘Planes’, ‘Ships’, or ‘Classic Cars’ product lines.**

**Order by the customer name. Returns 24 rows.\*/**

SELECT CUSTOMERS.CUSTOMERNAME, CUSTOMERS.CUSTOMERNUMBER FROM CUSTOMERS

EXCEPT

SELECT CUSTOMERS.CUSTOMERNAME, CUSTOMERS.CUSTOMERNUMBER FROM CUSTOMERS

INNER JOIN ORDERS ON CUSTOMERS.CUSTOMERNUMBER=ORDERS.CUSTOMERNUMBER

INNER JOIN ORDERDETAILS ON ORDERS.ORDERNUMBER=ORDERDETAILS.ORDERNUMBER

INNER JOIN PRODUCTS ON PRODUCTS.PRODUCTCODE=ORDERDETAILS.PRODUCTCODE

WHERE PRODUCTS.PRODUCTLINE='Planes' OR PRODUCTS.PRODUCTLINE='Ships'

OR PRODUCTS.PRODUCTLINE='Classic Cars'

ORDER BY CUSTOMERNAME;

|  |  |
| --- | --- |
| CUSTOMERNAME | CUSTOMERNUMBER |
| ANG Resellers | 237 |
| American Souvenirs Inc | 168 |
| Anton Designs, Ltd. | 465 |
| Asian Shopping Network, Co | 206 |
| Asian Treasures, Inc. | 348 |
| BG&E Collectables | 293 |
| Cramer SpezialitÃ¤ten, Ltd | 335 |
| Der Hund Imports | 307 |
| Feuer Online Stores, Inc | 443 |
| Franken Gifts, Co | 273 |
| Havel & Zbyszek Co | 125 |
| Kommission Auto | 361 |
| Kremlin Collectables, Co. | 480 |
| Lisboa Souveniers, Inc | 369 |
| Messner Shopping Network | 247 |
| Mit VergnÃ¼gen & Co. | 477 |
| NatÃ¼rlich Autos | 223 |
| Porto Imports Co. | 169 |
| Precious Collectables | 376 |
| Raanan Stores, Inc | 481 |
| SAR Distributors, Co | 356 |
| Schuyler Imports | 303 |
| Stuttgart Collectable Exchange | 409 |
| Warburg Exchange | 459 |

**/\*ns02 – List the customer names of those customers who have placed the most orders of all customers.**

**Note, there may be more than one customer who has, by coincidence, placed the same number of orders as**

**some other customer, and they have both placed the most orders. Returns 1 row.**

**\*/**

SELECT CUSTOMERS.CUSTOMERNUMBER, CUSTOMERS.CUSTOMERNAME, COUNT(ORDERNUMBER) AS NUMBER\_ORDER FROM CUSTOMERS INNER JOIN

ORDERS ON CUSTOMERS.CUSTOMERNUMBER=ORDERS.CUSTOMERNUMBER

GROUP BY CUSTOMERS.CUSTOMERNUMBER, CUSTOMERS.CUSTOMERNAME

HAVING COUNT(ORDERNUMBER)=(

SELECT MAX(ORDERCOUNT.ORDER\_COUNT) FROM(

SELECT CUSTOMERS.CUSTOMERNUMBER, COUNT(ORDERNUMBER) AS ORDER\_COUNT FROM ORDERS

INNER JOIN CUSTOMERS ON ORDERS.CUSTOMERNUMBER=CUSTOMERS.CUSTOMERNUMBER

GROUP BY CUSTOMERS.CUSTOMERNUMBER) AS ORDERCOUNT);

|  |  |  |
| --- | --- | --- |
| CUSTOMERNUMBER | CUSTOMERNAME | NUMBER\_ORDER |
| 141 | Euro+ Shopping Channel | 26 |

**/\*rs03 – List the last name and first name of each employee and their manager. Make the column header for the manager last name read**

**“Manager Last Name” and the column header for the manager first name read “Manager First Name”.**

**Be sure that every employee shows up in the output. Order by the employee last name,**

**then a secondary sort on the first name. Returns 23 rows.**

**\*/**

SELECT E1.LASTNAME, E1.FIRSTNAME, E2.LASTNAME AS "Manager Last Name", E2.FIRSTNAME AS "Manager First Name" FROM EMPLOYEES E1

LEFT OUTER JOIN EMPLOYEES E2 ON E1.REPORTSTO=E2.EMPLOYEENUMBER ORDER BY E1.LASTNAME, E1.FIRSTNAME;

|  |  |  |  |
| --- | --- | --- | --- |
| LASTNAME | FIRSTNAME | Manager Last Name | Manager First Name |
| Bondur | Gerard | Patterson | Mary |
| Bondur | Loui | Bondur | Gerard |
| Bott | Larry | Bondur | Gerard |
| Bow | Anthony | Patterson | Mary |
| Castillo | Pamela | Bondur | Gerard |
| Firrelli | Jeff | Murphy | Diane |
| Firrelli | Julie | Bow | Anthony |
| Fixter | Andy | Patterson | William |
| Gerard | Martin | Bondur | Gerard |
| Hernandez | Gerard | Bondur | Gerard |
| Jennings | Leslie | Bow | Anthony |
| Jones | Barry | Bondur | Gerard |
| Kato | Yoshimi | Nishi | Mami |
| King | Tom | Patterson | William |
| Marsh | Peter | Patterson | William |
| Murphy | Diane |  |  |
| Nishi | Mami | Patterson | Mary |
| Patterson | Mary | Murphy | Diane |
| Patterson | Steve | Bow | Anthony |
| Patterson | William | Patterson | Mary |
| Thompson | Leslie | Bow | Anthony |
| Tseng | Foon Yue | Bow | Anthony |
| Vanauf | George | Bow | Anthony |

**/\*rl02 – List the customers who share the same postal code. Make sure that no pair of customers shows up more than once.**

**Ignore customers with no postal code. Order by the first customer name, then the second. Returns 35 rows.**

**\*/**

SELECT C1.CUSTOMERNAME, C2.CUSTOMERNAME FROM CUSTOMERS C1

INNER JOIN CUSTOMERS C2 ON C1.POSTALCODE=C2.POSTALCODE

WHERE C1.CUSTOMERNUMBER<C2.CUSTOMERNUMBER

AND C1.POSTALCODE IS NOT NULL

ORDER BY C1.CUSTOMERNAME, C2.CUSTOMERNAME

|  |  |
| --- | --- |
| CUSTOMERNAME | CUSTOMERNAME |
| 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](http://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](http://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. |