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| --1. Write a SELECT statement that returns the same result set as this SELECT statement, but don’t use a join. Instead, use a subquery in a WHERE clause that uses the IN keyword.  SELECT DISTINCT CategoryName  FROM Categories c JOIN Products p  ON c.CategoryID = p.CategoryID  ORDER BY CategoryName  SELECT DISTINCT CategoryName  FROM Categories c  WHERE c.CategoryID IN  (SELECT p.CategoryID  FROM Products p)  ORDER BY CategoryName; |  |
| --2.Write a SELECT statement that answers this question: Which products have a list price that’s greater than the average list price for all products?  --Return the ProductName and ListPrice columns for each product.  --Sort the results by the ListPrice column in descending sequence.  SELECT Products.ProductName,  Products.ListPrice  FROM Products  WHERE Products.ListPrice >  (SELECT AVG(Products.ListPrice)  FROM Products)  ORDER BY Products.ListPrice DESC; |  |
| --3. Write a SELECT statement that returns the CategoryName column from the Categories table.  --Return one row for each category that has never been assigned to any product in the Products table. To do that, use a subquery introduced with the NOT EXISTS operator.  SELECT Categories.CategoryName  FROM Categories  WHERE Categories.CategoryID NOT IN  (SELECT Products.CategoryID  FROM Products) |  |
| --5. Write a SELECT statement that returns the name and discount percent of each product that has a unique discount percent. In other words, don’t include products that have the same discount percent as another product.  --Sort the results by the ProductName column.  SELECT P1.ProductName,  P1.DiscountPercent  FROM Products AS P1  WHERE P1.DiscountPercent NOT IN  (SELECT P2.DiscountPercent  FROM Products AS P2  WHERE P1.ProductName <> P2.ProductName)  ORDER BY ProductName; |  |
| SELECT Customers.EmailAddress  -- O.OrderID,  --O.OrderDate  FROM Customers  WHERE Customers.CustomerID IN  (SELECT O.CustomerID  FROM Orders AS O  WHERE O.OrderDate =  (SELECT MIN(O2.OrderDate)  FROM Orders AS O2  WHERE O.OrderID = O2.OrderID)) |  |
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