1. Get a list of my employees and customers (Northwind) with their full name (first and last) and what state they live in, if there is no state give me the city. Then sort it by the state (Hint: Union, COALESCE) we didn’t teach COALESCE- look it up. It actually only works on nulls and the “no state” is just empty not null, there is a way to work around that too, see if you can figure it out, if not don’t worry we will review in class

EDIT: should Give the 'Region' (which is the state) if there is no Region give the 'City'

* 1. Create a new product table named products2 with a copy of all the products
  2. Raise by 10% the prices of all products in that table where the units in stock is less than 10

(Hint: copy table –

*CREATE TABLE products2*

*SELECT \* FROM products*

)

1. For every discontinued product in the products table (discontinued = 'y') insert a new non discontinued version of the product with the same name as the old but with " V2" added at the end. The price should be double what the old one cost, there should be 5 in stock, 0 on order, and reorder level of 2. (Hint: INSERT INTO, and then where you would normally write VALUES and then hardcode comma separated actual values, instead of VALUES write a SELECT statement that will return rows that match the values to insert)

Example:

*INSERT INTO person(First, Last, Age)*

*SELECT e.first\_name, e.last\_name, 0*

*FROM Employees e*

*WHERE e.birth\_date > '1950-01-01'*

1. delete all the new products you just entered (delete - assume for this homework that there are no other products that have names ending with " V2" (there aren't))
2. create a new table named 'order\_backup', it should have orderId column, and a customer contact name column (hint: see Q2 how to create a table from another table, instead of SELCT \* from one table, create a SELECT statement from a JOIN of details from the orders and customer tables)
3. using Northwind products, rank the products from most expensive to inexpensive, partitioned/grouped by categories, show the category name (Hint: use Row\_Number() and join category table)

**Should look like this:**

| [**CategoryName**](http://localhost/phpmyadmin/sql.php?db=northwind&table=products&sql_query=SELECT+p.CategoryID%2C+c.CategoryName%2C+p.ProductName%2C+ROUND(p.UnitPrice%2C2)+price%2C%0D%0A+++++++ROW_NUMBER()+OVER+(%0D%0A++++++++++PARTITION+BY+p.CategoryID+ORDER+BY+p.UnitPrice+DESC)+AS+row_num%0D%0AFROM+products+p+%0D%0AJOIN+categories+c+%0D%0AON+p.CategoryID+%3D+c.CategoryID++%0AORDER+BY+`c`.`CategoryName`+ASC&sql_signature=c61805628687e4d377edfa202e01fdede507750081bb850a529cc603a01623bd&session_max_rows=25&is_browse_distinct=0) | [**ProductName**](http://localhost/phpmyadmin/sql.php?db=northwind&table=products&sql_query=SELECT+p.CategoryID%2C+c.CategoryName%2C+p.ProductName%2C+ROUND(p.UnitPrice%2C2)+price%2C%0D%0A+++++++ROW_NUMBER()+OVER+(%0D%0A++++++++++PARTITION+BY+p.CategoryID+ORDER+BY+p.UnitPrice+DESC)+AS+row_num%0D%0AFROM+products+p+%0D%0AJOIN+categories+c+%0D%0AON+p.CategoryID+%3D+c.CategoryID++%0AORDER+BY+`p`.`ProductName`+ASC&sql_signature=cbc5e2db973446fda660634ac1add78e3a76a93f4f856a3fbdbb4a165de52274&session_max_rows=25&is_browse_distinct=0) | [**price**](http://localhost/phpmyadmin/sql.php?db=northwind&table=products&sql_query=SELECT+p.CategoryID%2C+c.CategoryName%2C+p.ProductName%2C+ROUND(p.UnitPrice%2C2)+price%2C%0D%0A+++++++ROW_NUMBER()+OVER+(%0D%0A++++++++++PARTITION+BY+p.CategoryID+ORDER+BY+p.UnitPrice+DESC)+AS+row_num%0D%0AFROM+products+p+%0D%0AJOIN+categories+c+%0D%0AON+p.CategoryID+%3D+c.CategoryID++%0AORDER+BY+`price`+ASC&sql_signature=d36a1792b76f015ead33ad8efa5d1d842d8ecdf53177cdbdba2fa1c995d59bf5&session_max_rows=25&is_browse_distinct=0) | [**rank**](http://localhost/phpmyadmin/sql.php?db=northwind&table=products&sql_query=SELECT+p.CategoryID%2C+c.CategoryName%2C+p.ProductName%2C+ROUND(p.UnitPrice%2C2)+price%2C%0D%0A+++++++ROW_NUMBER()+OVER+(%0D%0A++++++++++PARTITION+BY+p.CategoryID+ORDER+BY+p.UnitPrice+DESC)+AS+row_num%0D%0AFROM+products+p+%0D%0AJOIN+categories+c+%0D%0AON+p.CategoryID+%3D+c.CategoryID++%0AORDER+BY+`row_num`+ASC&sql_signature=ee266a799aa6e8573fa4931d81ab281e95136e1fd0a1d0e5adbcf30485a57e10&session_max_rows=25&is_browse_distinct=0) |  |
| --- | --- | --- | --- | --- |
| Beverages | Côte de Blaye | 263.50 | 1 |  |
| Beverages | Ipoh Coffee | 46.00 | 2 |  |
| Beverages | Chang | 19.00 | 3 |  |
| Beverages | Chai | 18.00 | 4 |  |
| Beverages | Steeleye Stout | 18.00 | 5 |  |
| Beverages | Lakkalikööri | 18.00 | 6 |  |
| Beverages | Chartreuse verte | 18.00 | 7 |  |
| Beverages | Outback Lager | 15.00 | 8 |  |
| Beverages | Laughing Lumberjack Lager | 14.00 | 9 |  |
| Beverages | Sasquatch Ale | 14.00 | 10 |  |
| Beverages | Rhönbräu Klosterbier | 7.75 | 11 |  |
| Beverages | Guaraná Fantástica | 4.50 | 12 |  |
| Condiments | Vegie-spread | 43.90 | 1 |  |
| Condiments | Northwoods Cranberry Sauce | 40.00 | 2 |  |
| Condiments | Sirop d'érable | 28.50 | 3 |  |
| Condiments | Grandma's Boysenberry Spread | 25.00 | 4 |  |
| Condiments | Chef Anton's Cajun Seasoning | 22.00 | 5 |  |
| Condiments | Chef Anton's Gumbo Mix | 21.35 | 6 |  |
| Condiments | Louisiana Fiery Hot Pepper Sauce | 21.05 | 7 |  |
| Condiments | Gula Malacca | 19.45 | 8 |  |

and more……..