

CSIS 3280: Lecture 8

Exercise

Exercise

- Download the northwind sql script. Run it and try to perform the following query
 - Get the product name and quantity per unit.
 - Get the current Product list (ID, name and price)
 - Get the discontinued product list (ID, name and price)
 - Get the most expensive product list
 - Get the product list (ID, name, price) of the least expensive product list
 - Get 10 product list (id, name, price) where the price is less than \$20, sorted by the price in descending order
 - Get the product list where the products are between \$20 and \$30
 - Get the product list where the price is above average
 - Get the product list of the 10 most expensive products

Exercise

- Get the category name, product name, unit price and unit in stock for products whose price is more than \$25, sorted according to the category name and unit price as shown in the picture.

CategoryName	ProductName	UnitPrice	UnitsInStock
Beverages	Cte de Blaye	263.5000	17
Beverages	Ipoh Coffee	46.0000	17
Condiments	Vegie-spread	43.9000	24
Condiments	Northwoods Cranberry Sauce	40.0000	6
Condiments	Sirop d'able	28.5000	113
Confections	Sir Rodney's Marmalade	81.0000	40
Confections	Tarte au sucre	49.3000	17
Confections	Schoggi Schokolade	43.9000	49
Confections	Gumbr Gummibrchen	31.2300	15
Dairy Products	Raclette Courdavault	55.0000	79
Dairy Products	Queso Manchego La Pastora	38.0000	86
Dairy Products	Gudbrandsdalsost	36.0000	26
Dairy Products	Mozzarella di Giovanni	34.8000	14
Dairy Products	Camembert Pierrot	34.0000	19
Dairy Products	Mascarpone Fabioli	32.0000	9
Grains/Cereals	Gnocchi di nonna Alice	38.0000	21
Grains/Cereals	Wimmers gute Semmelknodel	33.2500	22
Meat/Poultry	Thringer Rostbratwurst	123.7900	0
Meat/Poultry	Mishi Kobe Niku	97.0000	29
Meat/Poultry	Alice Mutton	39.0000	0
Meat/Poultry	Perth Pasties	32.8000	0
Produce	Manjimup Dried Apples	53.0000	20
Produce	Rssle Sauerkraut	45.6000	26
Produce	Uncle Bob's Organic Dried Pears	30.0000	15
Seafood	Carnarvon Tigers	62.5000	42
Seafood	Ikura	31.0000	31
Seafood	Gravad lax	26.0000	11
Seafood	Nord-Ost Matjeshering	25.8900	10

28 rows in set (0.00 sec)

Exercise

- Get the product name, total order quantity and amount of units in stock for products whose price is above average, sorted by the difference between the total order quantity and units in stocks
 - Note, you need to use the products and order details tables
 - The TotalOrderQuantity is an alias from the summation of all order quantity for a specific product name
 - You may need to use GROUP BY
 - Your result should be similar picture on the right

ProductName	TotalOrderQuantity	UnitsInStock
Alice Mutton	978	0
Camembert Pierrot	954	19
Tarte au sucre	852	17
Gnocchi di nonna Alice	833	21
Thringer Rostbratwurst	746	0
Uncle Bob's Organic Dried Pears	618	15
Manjimup Dried Apples	590	20
Cte de Blaye	534	17
Ipoh Coffee	468	17
Mozzarella di Giovanni	415	14
Perth Pasties	393	0
Northwoods Cranberry Sauce	370	6
Wimmers gute Semmelknodel	380	22
Gumbr Gummibrchen	352	15
Gudbrandsdalsost	326	26
Rssle Sauerkraut	325	26
Veggie-spread	315	24
Ikura	276	31
Mascarpone Fabioli	234	9
Schoggi Schokolade	220	49
Raclette Courdavault	210	79
Mishi Kobe Niku	50	29
Queso Manchego La Pastora	100	86
Sir Rodney's Marmalade	50	40
Carnarvon Tigers	50	42

25 rows in set (0.01 sec)