-- 1. Write a query to get a Product list (id, name, unit price) where current products cost less than $20.

SELECT ProductID , ProductName , unitPrice from products where UnitPrice < 20 AND Discontinued=0;

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 1 | Chai | 18.00 |
| 2 | 2 | Chang | 19.00 |
| 3 | 3 | Aniseed Syrup | 10.00 |
| 4 | 13 | Konbu | 6.00 |
| 5 | 15 | Genen Shouyu | 15.50 |
| 6 | 16 | Pavlova | 17.45 |
| 7 | 19 | Teatime Chocolate Biscuits | 9.20 |
| 8 | 21 | Sir Rodney's Scones | 10.00 |
| 9 | 23 | Tunnbröd | 9.00 |
| 10 | 25 | NuNuCa Nuß-Nougat-Cre… | 14.00 |
| 11 | 31 | Gorgonzola Telino | 12.50 |
| 12 | 33 | Geitost | 2.50 |
| 13 | 34 | Sasquatch Ale | 14.00 |
| 14 | 35 | Steeleye Stout | 18.00 |
| 15 | 36 | Inlagd Sill | 19.00 |
| 16 | 39 | Chartreuse verte | 18.00 |
| 17 | 40 | Boston Crab Meat | 18.40 |
| 18 | 41 | Jack's New England Clam … | 9.65 |
| 19 | 44 | Gula Malacca | 19.45 |
| 20 | 45 | Rogede sild | 9.50 |
| 21 | 46 | Spegesild | 12.00 |
| 22 | 47 | Zaanse koeken | 9.50 |
| 23 | 48 | Chocolade | 12.75 |
| 24 | 50 | Valkoinen suklaa | 16.25 |
| 25 | 52 | Filo Mix | 7.00 |
| 26 | 54 | Tourtière | 7.45 |
| 27 | 57 | Ravioli Angelo | 19.50 |
| 28 | 58 | Escargots de Bourgogne | 13.25 |
| 29 | 66 | Louisiana Hot Spiced Okra | 17.00 |
| 30 | 67 | Laughing Lumberjack Lag… | 14.00 |
| 31 | 68 | Scottish Longbreads | 12.50 |
| 32 | 70 | Outback Lager | 15.00 |
| 33 | 73 | Röd Kaviar | 15.00 |
| 34 | 74 | Longlife Tofu | 10.00 |
| 35 | 75 | Rhönbräu Klosterbier | 7.75 |
| 36 | 76 | Lakkalikööri | 18.00 |
| 37 | 77 | Original Frankfurter grüne … | 13.00 |
|  |  |  |  |
|  |  |  |  |

2. Query

--2. Write a query to get Product list (id, name, unit price) where products cost between

--$15 and $25

SELECT ProductID , ProductName , unitPrice from products where UnitPrice < 25 AND UnitPrice > 15 ;

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 1 | Chai | 18.00 |
| 2 | 2 | Chang | 19.00 |
| 3 | 4 | Chef Anton's Cajun Season… | 22.00 |
| 4 | 5 | Chef Anton's Gumbo Mix | 21.35 |
| 5 | 11 | Queso Cabrales | 21.00 |
| 6 | 14 | Tofu | 23.25 |
| 7 | 15 | Genen Shouyu | 15.50 |
| 8 | 16 | Pavlova | 17.45 |
| 9 | 22 | Gustaf's Knäckebröd | 21.00 |
| 10 | 35 | Steeleye Stout | 18.00 |
| 11 | 36 | Inlagd Sill | 19.00 |
| 12 | 39 | Chartreuse verte | 18.00 |
| 13 | 40 | Boston Crab Meat | 18.40 |
| 14 | 44 | Gula Malacca | 19.45 |
| 15 | 49 | Maxilaku | 20.00 |
| 16 | 50 | Valkoinen suklaa | 16.25 |
| 17 | 55 | Pâté chinois | 24.00 |
| 18 | 57 | Ravioli Angelo | 19.50 |
| 19 | 65 | Louisiana Fiery Hot Pepper … | 21.05 |
| 20 | 66 | Louisiana Hot Spiced Okra | 17.00 |
| 21 | 71 | Flotemysost | 21.50 |
| 22 | 76 | Lakkalikööri | 18.00 |

--3. Write a query to get Product list (name, unit price) of above average price.

SELECT ProductName, UnitPrice FROM Products where UnitPrice > ( select AVG(UnitPrice) from Products);

ProductName UnitPrice

|  |  |  |
| --- | --- | --- |
| 1 | Uncle Bob's Organic Dried Pe… | 30.00 |
| 2 | Northwoods Cranberry Sauce | 40.00 |
| 3 | Mishi Kobe Niku | 97.00 |
| 4 | Ikura | 31.00 |
| 5 | Queso Manchego La Pastora | 38.00 |
| 6 | Alice Mutton | 39.00 |
| 7 | Carnarvon Tigers | 62.50 |
| 8 | Sir Rodney's Marmalade | 81.00 |
| 9 | Gumbär Gummibärchen | 31.23 |
| 10 | Schoggi Schokolade | 43.90 |
| 11 | Rössle Sauerkraut | 45.60 |
| 12 | Thüringer Rostbratwurst | 123.79 |
| 13 | Mascarpone Fabioli | 32.00 |
| 14 | Côte de Blaye | 263.50 |
| 15 | Ipoh Coffee | 46.00 |
| 16 | Manjimup Dried Apples | 53.00 |
| 17 | Perth Pasties | 32.80 |
| 18 | Gnocchi di nonna Alice | 38.00 |
| 19 | Raclette Courdavault | 55.00 |
| 20 | Camembert Pierrot | 34.00 |
| 21 | Tarte au sucre | 49.30 |
| 22 | Vegie-spread | 43.90 |
| 23 | Wimmers gute Semmelknödel | 33.25 |
| 24 | Gudbrandsdalsost | 36.00 |
| 25 | Mozzarella di Giovanni | 34.80 |

--4. Write a query to get Product list (name, unit price) of ten most expensive products

SELECT ProductName, UnitPrice FROM Products order by UnitPrice desc offset 0 rows fetch next 10 rows only;

ProductName UnitPrice

|  |  |  |
| --- | --- | --- |
| 1 | Côte de Blaye | 263.50 |
| 2 | Thüringer Rostbratwu… | 123.79 |
| 3 | Mishi Kobe Niku | 97.00 |
| 4 | Sir Rodney's Marmal… | 81.00 |
| 5 | Carnarvon Tigers | 62.50 |
| 6 | Raclette Courdavault | 55.00 |
| 7 | Manjimup Dried Apples | 53.00 |
| 8 | Tarte au sucre | 49.30 |
| 9 | Ipoh Coffee | 46.00 |
| 10 | Rössle Sauerkraut | 45.60 |

--5. Write a query to count current and discontinued products

SELECT COUNT(Discontinued) from Products where Discontinued = 1;

SELECT COUNT(Discontinued) from Products where Discontinued = 0;

SELECT COUNT(ProductID) from Products Group by(Discontinued);

(No column name)

|  |  |
| --- | --- |
| 1 | 69 |
| 2 | 8 |

--6. Write a query to get Product list (name, units on order , units in stock) of stock is less

--than the quantity on order

SELECT ProductName, UnitsOnOrder, UnitsInStock FROM Products where UnitsInStock < UnitsOnOrder;

ProductName UnitsOnOrder UnitsInStock

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Chang | 40 | 17 |
| 2 | Aniseed Syrup | 70 | 13 |
| 3 | Queso Cabrales | 30 | 22 |
| 4 | Sir Rodney's Scones | 40 | 3 |
| 5 | Gorgonzola Telino | 70 | 0 |
| 6 | Mascarpone Fabioli | 40 | 9 |
| 7 | Gravad lax | 50 | 11 |
| 8 | Rogede sild | 70 | 5 |
| 9 | Chocolade | 70 | 15 |
| 10 | Maxilaku | 60 | 10 |
| 11 | Wimmers gute Semmelkn… | 80 | 22 |
| 12 | Louisiana Hot Spiced Okra | 100 | 4 |
| 13 | Scottish Longbreads | 10 | 6 |