

Database

https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all

SOURCE USED:

https://www.w3schools.com/sql/sql_min_max.asp

https://www.w3schools.com/sql/sql_orderby.asp

https://www.w3schools.com/sql/sql_count_avg_sum.asp

Show the product id and product name of any products costing more than 20 (note it should be sorted in alphabetical order abc):

SELECT ProductID, ProductName FROM [Products] WHERE Price > 20 ORDER BY ProductName ASC;

| ProductID | ProductName |
|-----------|----------------------------------|
| 17 | Alice Mutton |
| 60 | Camembert Pierrot |
| 18 | Carnarvon Tigers |
| 4 | Chef Anton's Cajun Seasoning |
| 5 | Chef Anton's Gumbo Mix |
| 38 | Côte de Blaye |
| 71 | Fløtemysost |
| 56 | Gnocchi di nonna Alice |
| 6 | Grandma's Boysenberry Spread |
| 37 | Gravad lax |
| 69 | Gudbrandsdalsost |
| 26 | Gumbär Gummibärchen |
| 22 | Gustaf's Knäckebröd |
| 10 | Ikura |
| 43 | Ipoh Coffee |
| 65 | Louisiana Fiery Hot Pepper Sauce |
| 51 | Manjimup Dried Apples |
| 32 | Mascarpone Fabioli |
| 9 | Mishi Kobe Niku |
| 72 | Mozzarella di Giovanni |
| 30 | Nord-Ost Matjeshering |

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| 8 | Northwoods Cranberry Sauce |
| 53 | Perth Pasties |
| 55 | Pâté chinois |
| 11 | Queso Cabrales |
| 12 | Queso Manchego La Pastora |
| 59 | Raclette Courdavault |
| 28 | Rössle Sauerkraut |
| 27 | Schoggi Schokolade |
| 20 | Sir Rodney's Marmalade |
| 61 | Sirop d'érable |
| 62 | Tarte au sucre |
| 29 | Thüringer Rostbratwurst |
| 14 | Tofu |
| 7 | Uncle Bob's Organic Dried Pears |
| 63 | Vegie-spread |
| 64 | Wimmers gute Semmelknödel |

Show the average price of products in category 6:

```
SELECT AVG(Price) FROM [Products] WHERE CategoryID = 6;
```

AVG(Price)

54.00666666666667

Show the maximum price of products in category 3:

```
SELECT MAX(price) FROM [Products] WHERE CategoryID = 3;
```

MAX(price)

81

Show the number of products in category 4:

```
SELECT count(*) FROM [Products] WHERE CategoryID = 4;
```

count(*)

10

show all the product names with the supplier name:

```
SELECT ProductName, SupplierName FROM Products JOIN Suppliers WHERE Suppliers.supplierID = Products.SupplierID;
```

| ProductName | SupplierName |
|---------------------------------|------------------------------------|
| Chais | Exotic Liquid |
| Chang | Exotic Liquid |
| Aniseed Syrup | Exotic Liquid |
| Chef Anton's Cajun Seasoning | New Orleans Cajun Delights |
| Chef Anton's Gumbo Mix | New Orleans Cajun Delights |
| Grandma's Boysenberry Spread | Grandma Kelly's Homestead |
| Uncle Bob's Organic Dried Pears | Grandma Kelly's Homestead |
| Northwoods Cranberry Sauce | Grandma Kelly's Homestead |
| Mishi Kobe Niku | Tokyo Traders |
| Ikura | Tokyo Traders |
| Queso Cabrales | Cooperativa de Quesos 'Las Cabras' |
| Queso Manchego La Pastora | Cooperativa de Quesos 'Las Cabras' |
| Konbu | Mayumi's |
| Tofu | Mayumi's |
| Genen Shouyu | Mayumi's |
| Pavlova | Pavlova, Ltd. |
| Alice Mutton | Pavlova, Ltd. |
| Carnarvon Tigers | Pavlova, Ltd. |
| Teatime Chocolate Biscuits | Specialty Biscuits, Ltd. |
| Sir Rodney's Marmalade | Specialty Biscuits, Ltd. |
| Sir Rodney's Scones | Specialty Biscuits, Ltd. |
| Gustaf's Knäckebröd | PB Knäckebröd AB |
| Tunnbröd | PB Knäckebröd AB |
| Guaraná Fantástica | Refrescos Americanas LTDA |
| NuNuCa Nuß-Nougat-Creme | Heli Süßwaren GmbH & Co. KG |
| Gumbär Gummibärchen | Heli Süßwaren GmbH & Co. KG |

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| Schoggi Schokolade | Heli Süßwaren GmbH & Co. KG |
| Rössle Sauerkraut | Plutzer Lebensmittelgroßmärkte AG |
| Thüringer Rostbratwurst | Plutzer Lebensmittelgroßmärkte AG |
| Nord-Ost Matjeshering | Nord-Ost-Fisch Handelsgesellschaft mbH |
| Gorgonzola Telino | Formaggi Fortini s.r.l. |
| Mascarpone Fabioli | Formaggi Fortini s.r.l. |
| Geitost | Norske Meierier |
| Sasquatch Ale | Bigfoot Breweries |
| Steeleye Stout | Bigfoot Breweries |
| Inlagd Sill | Svensk Sjöföda AB |
| Gravad lax | Svensk Sjöföda AB |
| Côte de Blaye | Aux joyeux ecclésiastiques |
| Chartreuse verte | Aux joyeux ecclésiastiques |
| Boston Crab Meat | New England Seafood Cannery |
| Jack's New England Clam Chowder | New England Seafood Cannery |
| Singaporean Hokkien Fried Mee | Leka Trading |
| Ipoh Coffee | Leka Trading |
| Gula Malacca | Leka Trading |
| Røgede sild | Lyngbysild |
| Spegesild | Lyngbysild |
| Zaanse koeken | Zaanse Snoepfabriek |
| Chocolade | Zaanse Snoepfabriek |
| Maxilaku | Karkki Oy |
| Valkoinen suklaa | Karkki Oy |
| Manjimup Dried Apples | G'day, Mate |
| Filo Mix | G'day, Mate |
| Perth Pasties | G'day, Mate |
| Tourtière | Ma Maison |
| Pâté chinois | Ma Maison |

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|----------------------------------|-----------------------------------|
| Gnocchi di nonna Alice | Pasta Buttini s.r.l. |
| Ravioli Angelo | Pasta Buttini s.r.l. |
| Escargots de Bourgogne | Escargots Nouveaux |
| Raclette Courdavault | Gai pâturage |
| Camembert Pierrot | Gai pâturage |
| Sirop d'érable | Forêts d'érables |
| Tarte au sucre | Forêts d'érables |
| Vegie-spread | Pavlova, Ltd. |
| Wimmers gute Semmelknödel | Plutzer Lebensmittelgroßmärkte AG |
| Louisiana Fiery Hot Pepper Sauce | New Orleans Cajun Delights |
| Louisiana Hot Spiced Okra | New Orleans Cajun Delights |
| Laughing Lumberjack Lager | Bigfoot Breweries |
| Scottish Longbreads | Specialty Biscuits, Ltd. |
| Gudbrandsdalsost | Norske Meierier |
| Outback Lager | Pavlova, Ltd. |
| Fløtemysost | Norske Meierier |
| Mozzarella di Giovanni | Formaggi Fortini s.r.l. |
| Röd Kaviar | Svensk Sjöföda AB |
| Longlife Tofu | Tokyo Traders |
| Rhönbräu Klosterbier | Plutzer Lebensmittelgroßmärkte AG |
| Lakkalikööri | Karkki Oy |
| Original Frankfurter grüne Soße | Plutzer Lebensmittelgroßmärkte AG |