

# Assignment :- 1

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## SQL Query

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

Ans:- `SELECT ProductId, ProductName, UnitPrice  
from Products  
where Unitprice<20 AND Discontinued=0`

	ProductId	ProductName	UnitPrice
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-Creme	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 Lager	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

2. Write a query to get Product list (id, name, unit price) where products cost between \$15 and \$25

Ans:- `SELECT ProductId, ProductName,UnitPrice  
from Products  
where UnitPrice between 15 and 25`

	ProductId	ProductName	UnitPrice
1	1	Chai	18.00
2	2	Chang	19.00
3	4	Chef Anton's Cajun Seasoning	22.00
4	5	Chef Anton's Gumbo Mix	21.35
5	6	Grandma's Boysenberry Spread	25.00
6	11	Queso Cabrales	21.00
7	14	Tofu	23.25
8	15	Genen Shouyu	15.50
9	16	Pavlova	17.45
10	22	Gustaf's Knäckebröd	21.00
11	35	Steeleye Stout	18.00
12	36	Inlagd Sill	19.00
13	39	Chartreuse verte	18.00
14	40	Boston Crab Meat	18.40
15	44	Gula Malacca	19.45
16	49	Maxilaku	20.00
17	50	Valkoinen suklaa	16.25
18	55	Pâté chinois	24.00
19	57	Ravioli Angelo	19.50
20	65	Louisiana Fiery Hot Pepper Sauce	21.05
21	66	Louisiana Hot Spiced Okra	17.00
22	70	Outback Lager	15.00
23	71	Flotemysost	21.50
24	73	Röd Kaviar	15.00
25	76	Lakkalikööri	18.00

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

Ans:- `SELECT ProductName,UnitPrice  
from Products  
Where UnitPrice>(SELECT AVG (UnitPrice) From Products)  
Order by UnitPrice`

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

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

Ans:- `Select top 10 ProductName,UnitPrice  
from Products  
order by UnitPrice DESC`

	ProductName	UnitPrice
1	Côte de Blaye	263.50
2	Thüringer Rostbratwurst	123.79
3	Mishi Kobe Niku	97.00
4	Sir Rodney's Marmalade	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

Ans:- `SELECT Count(ProductName) AS Current_Discontinued_Products  
FROM Products  
GROUP BY Discontinued;`

	Current_Discontinued_Products
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

Ans:- `SELECT` ProductName, UnitsInStock, UnitsOnOrder  
      `from` Products  
      `where` UnitsInStock<UnitsOnOrder

	ProductName	UnitsInStock	UnitsOnOrder
1	Chang	17	40
2	Aniseed Syrup	13	70
3	Queso Cabrales	22	30
4	Sir Rodney's Scones	3	40
5	Gorgonzola Telino	0	70
6	Mascarpone Fabioli	9	40
7	Gravad lax	11	50
8	Rogede sild	5	70
9	Chocolade	15	70
10	Maxilaku	10	60
11	Wimmers gute Semmelknödel	22	80
12	Louisiana Hot Spiced Okra	4	100
13	Scottish Longbreads	6	10
14	Longlife Tofu	4	20