

Assignment-1

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➤ Create Table:

QUERY:

```
CREATE TABLE products (  
product_id smallint NOT NULL PRIMARY KEY,  
product_name character varying(40) NOT NULL,  
supplier_id smallint,  
category_id smallint,  
quantity_per_unit character varying(20),  
unit_price real,  
units_in_stock smallint,  
units_on_order smallint,  
reorder_level smallint,  
discontinued integer NOT NULL,  
);
```

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

QUERY:

```
SELECT product_id, product_name, unit_price FROM products  
WHERE unit_price<20;
```

	product_id	product_name	unit_price
1	1	Chai	18
2	2	Chang	19
3	3	Aniseed Syrup	10
4	13	Konbu	6
5	15	Genen Shouyu	13
6	16	Pavlova	17.45
7	19	Teatime Chocolate Biscuits	9.2
8	21	Sir Rodney's Scones	10
9	23	Tunnbröd	9
10	24	Guaraná Fantástica	4.5
11	25	NuNuCa Nuß-Nougat-Creme	14
12	31	Gorgonzola Telino	12.5
13	33	Geitost	2.5
14	34	Sasquatch Ale	14
15	35	Steeleye Stout	18
16	36	Inlagd Sill	19
17	39	Chartreuse verte	18
18	40	Boston Crab Meat	18.4
19	41	Jack's New England Clam Chowder	9.65
20	42	Singaporean Hokkien Fried Mee	14
21	44	Gula Malacca	19.45
22	45	Rogede sild	9.5
23	46	Spegesild	12
24	47	Zaanse koeken	9.5
25	48	Chocolade	12.75
26	50	Valkoinen suklaa	16.25
27	52	Filo Mix	7
28	54	Tourtière	7.45
29	57	Bavisk Apple	19.5

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

QUERY:

```
SELECT product_id, product_name, unit_price FROM products  
WHERE unit_price BETWEEN 15 AND 25;
```

	product_id	product_name	unit_price
1	1	Chai	18
2	2	Chang	19
3	4	Chef Anton's Cajun Seasoning	22
4	5	Chef Anton's Gumbo Mix	21.35
5	6	Grandma's Boysenberry Spread	25
6	11	Queso Cabrales	21
7	14	Tofu	23.25
8	16	Pavlova	17.45
9	22	Gustaf's Knäckebröd	21
10	35	Steeleye Stout	18
11	36	Inlagd Sill	19
12	39	Chartreuse verte	18
13	40	Boston Crab Meat	18.4
14	44	Gula Malacca	19.45
15	49	Maxilaku	20
16	50	Valkoinen suklaa	16.25
17	55	Pâté chinois	24
18	57	Ravioli Angelo	19.5
19	65	Louisiana Fiery Hot Pepper Sauce	21.05
20	66	Louisiana Hot Spiced Okra	17
21	70	Outback Lager	15
22	71	Flotemysost	21.5
23	73	Röd Kaviar	15
24	76	Lakkalikööri	18

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

QUERY:

```
SELECT product_id, product_name, unit_price FROM products
WHERE unit_price > (SELECT AVG(unit_price) FROM products);
```

	product_id	product_name	unit_price
1	7	Uncle Bob's Organic Dried Pears	30
2	8	Northwoods Cranberry Sauce	40
3	9	Mishi Kobe Niku	97
4	10	Ikura	31
5	12	Queso Manchego La Pastora	38
6	17	Alice Mutton	39
7	18	Camavon Tigers	62.5
8	20	Sir Rodney's Marmalade	81
9	26	Gumbär Gummibärchen	31.23
10	27	Schoggi Schokolade	43.9
11	28	Rössle Sauerkraut	45.6
12	29	Thüringer Rostbratwurst	123.79
13	32	Mascarpone Fabioli	32
14	38	Côte de Blaye	263.5
15	43	Ipoh Coffee	46
16	51	Manjimup Dried Apples	53
17	53	Perth Pasties	32.8
18	56	Gnocchi di nonna Alice	38
19	59	Raclette Courdavault	55
20	60	Camembert Pierrot	34
21	62	Tarte au sucre	49.3
22	63	Veggie-spread	43.9
23	64	Wimmers gute Semmelknödel	33.25
24	69	Gudbrandsdalsost	36
25	72	Mozzarella di Giovanni	34.8

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

QUERY:

```
SELECT TOP 10 product_id, product_name, unit_price FROM
products ORDER BY unit_price DESC;
```

	product_id	product_name	unit_price
1	38	Côte de Blaye	263.5
2	29	Thüringer Rostbratwurst	123.79
3	9	Mishi Kobe Niku	97
4	20	Sir Rodney's Marmalade	81
5	18	Camaron de Tigers	62.5
6	59	Raclette Courdavault	55
7	51	Manjimup Dried Apples	53
8	62	Tarte au sucre	49.3
9	43	Ipoh Coffee	46
10	28	Rössle Sauerkraut	45.6

➤ Write a query to count current and discontinued products.

QUERY:

```
SELECT COUNT(product_id) from products group by discontinued;
```

	(No column name)
1	67
2	10

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

QUERY:

```
select product_name, units_in_stock, units_on_order from  
products where units_in_stock<units_on_order;
```

	product_name	units_in_stock	units_on_order
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