

Assignment 1 : Simple SQL Query with a single table with where clause.

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

Code:

```
select ProductID,ProductName,UnitPrice from Products where UnitPrice < 20;
```

Output:

	ProductID	ProductName	UnitPrice
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

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

Code:

```
select ProductID,ProductName,UnitPrice from Products where UnitPrice between 15 and 25;
```

Output:

	ProductID	ProductName	UnitPrice
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

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

Code:

```
select ProductName,UnitPrice from Products where UnitPrice > (select avg(UnitPrice) from Products);
```

Output:

	ProductName	UnitPrice
1	Northwoods Cranberry Sauce	40
2	Mishi Kobe Niku	97
3	Queso Manchego La Pastora	38
4	Alice Mutton	39
5	Camarvon Tigers	62.5
6	Sir Rodney's Marmalade	81

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

Code:

```
select top(10) ProductName,UnitPrice from Products order by UnitPrice desc ;
```

Output:

	ProductName	UnitPrice
1	Mishi Kobe Niku	97
2	Sir Rodney's Marmalade	81
3	Camarvon Tigers	62.5
4	Northwoods Cranberry Sauce	40
5	Alice Mutton	39
6	Queso Manchego La Pastora	38
7	Ikura	31
8	Uncle Bob's Organic Dried Pears	30
9	Grandma's Boysenberry Spread	25
10	Tofu	23.25

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

Code:

```
select Discontinued,count(Discontinued) as 'count' from Products group by Discontinued;
```

Output:

	Discontinued	count
1	0	15
2	1	5

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

Code:

```
select ProductName,UnitsOnOrder,UnitsInStock from dbo.Products where UnitsInStock < UnitsOnOrder
```

Output:

	ProductName	UnitsOnOrder	UnitsInStock
1	Chang	40	17
2	Aniseed Syrup	70	13
3	Queso Cabrales	30	22