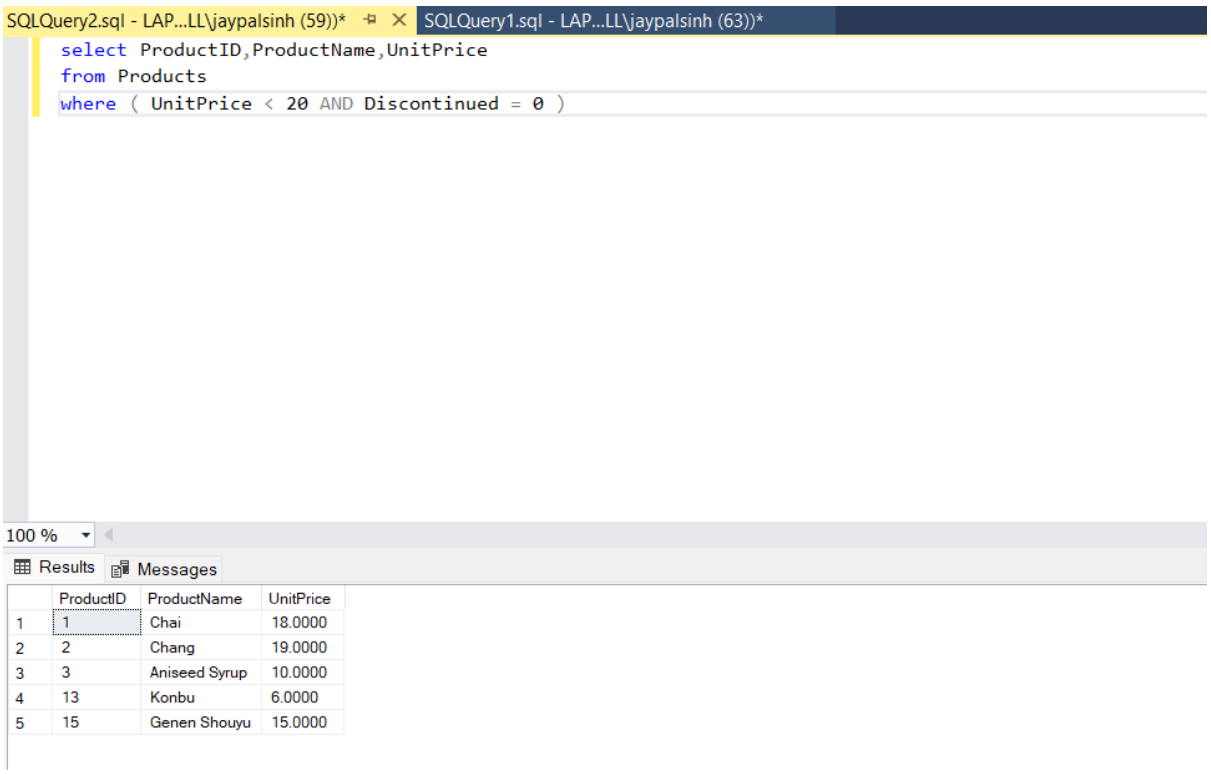
Assignment – 1

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.

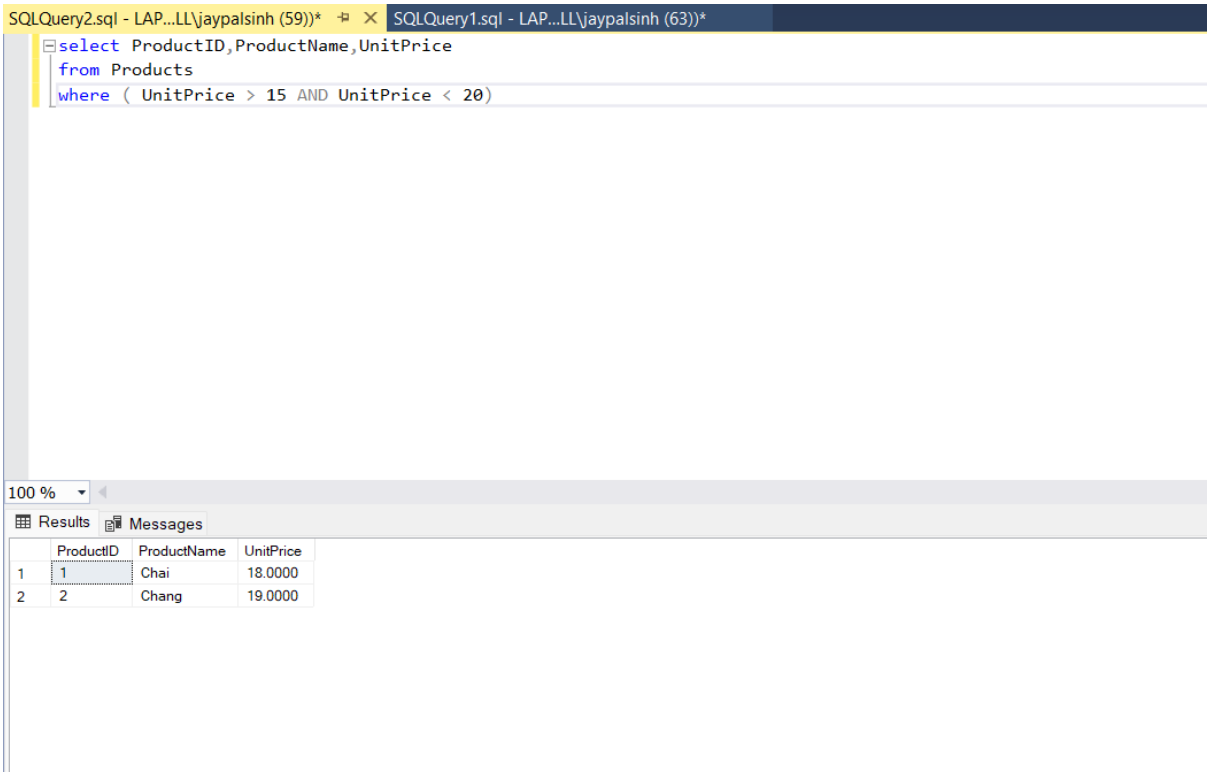
```
select ProductID,ProductName,UnitPrice
from Products
where (UnitPrice < 20 AND Discontinued = 0)
```



	ProductID	ProductName	UnitPrice
1	1	Chai	18.0000
2	2	Chang	19.0000
3	3	Aniseed Syrup	10.0000
4	13	Konbu	6.0000
5	15	Genen Shouyu	15.0000

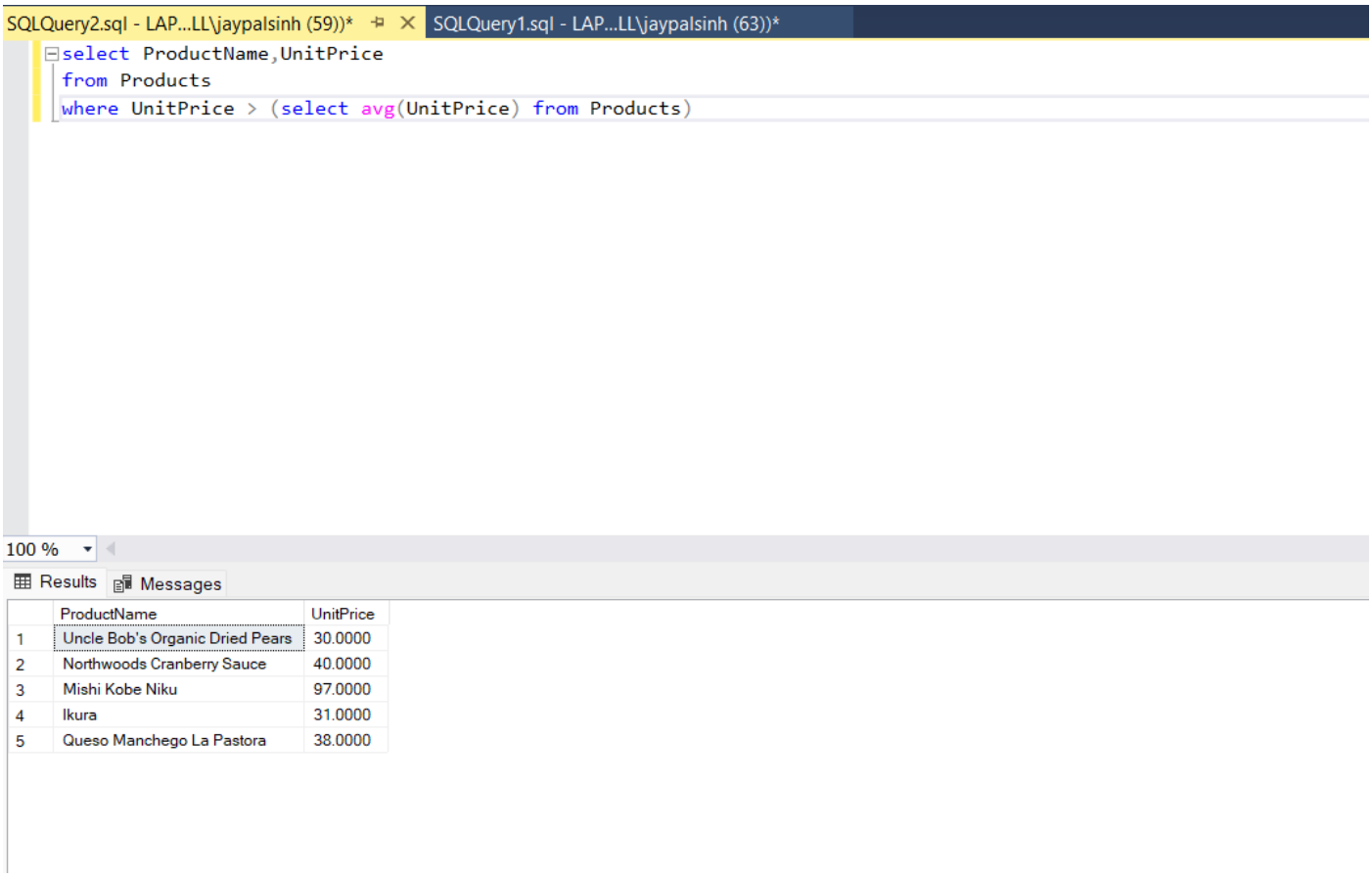
2. Write a query to get Product list (id, name, unit price) where products cost between $15 and $25

```
select ProductID,ProductName,UnitPrice
from Products
where (UnitPrice > 15 AND UnitPrice < 20)
```



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

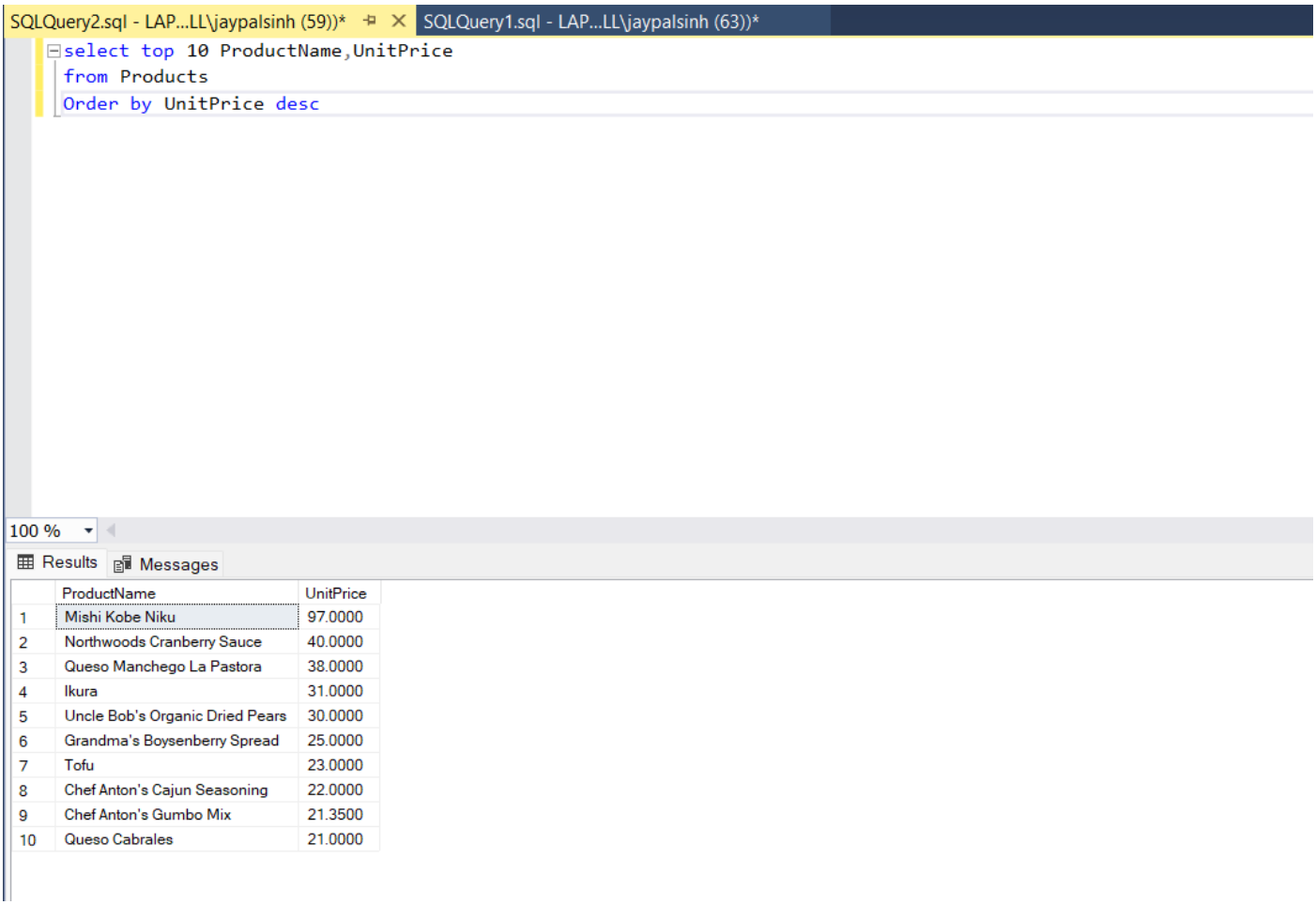
```
select ProductName,UnitPrice
from Products
where UnitPrice > (select avg(UnitPrice) from Products)
```



	ProductName	UnitPrice
1	Uncle Bob's Organic Dried Pears	30.0000
2	Northwoods Cranberry Sauce	40.0000
3	Mishi Kobe Niku	97.0000
4	Ikura	31.0000
5	Queso Manchego La Pastora	38.0000

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

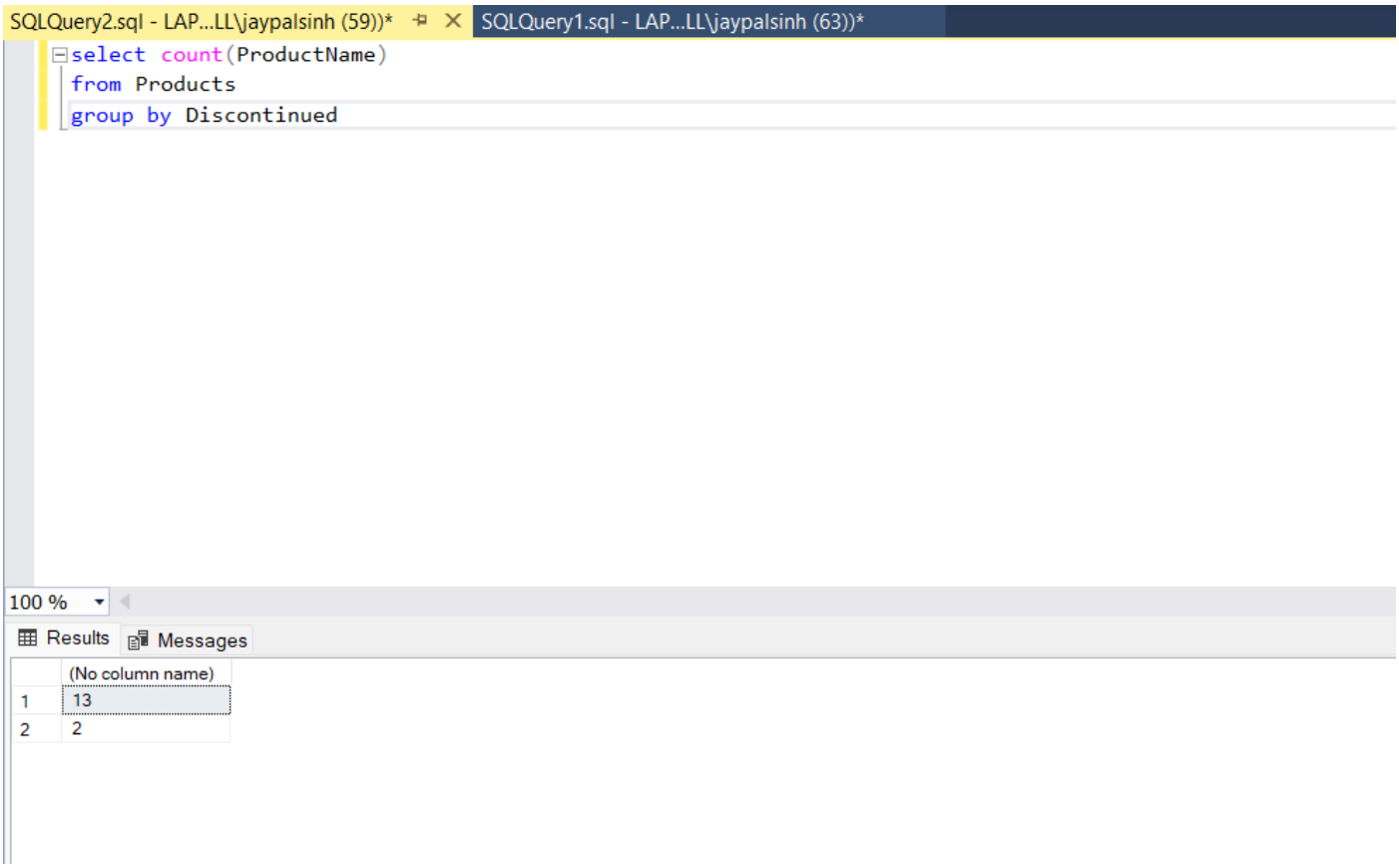
```
select top 10 ProductName,UnitPrice
from Products
Order by UnitPrice desc
```



	ProductName	UnitPrice
1	Mishi Kobe Niku	97.0000
2	Northwoods Cranberry Sauce	40.0000
3	Queso Manchego La Pastora	38.0000
4	Ikura	31.0000
5	Uncle Bob's Organic Dried Pears	30.0000
6	Grandma's Boysenberry Spread	25.0000
7	Tofu	23.0000
8	Chef Anton's Cajun Seasoning	22.0000
9	Chef Anton's Gumbo Mix	21.3500
10	Queso Cabrales	21.0000

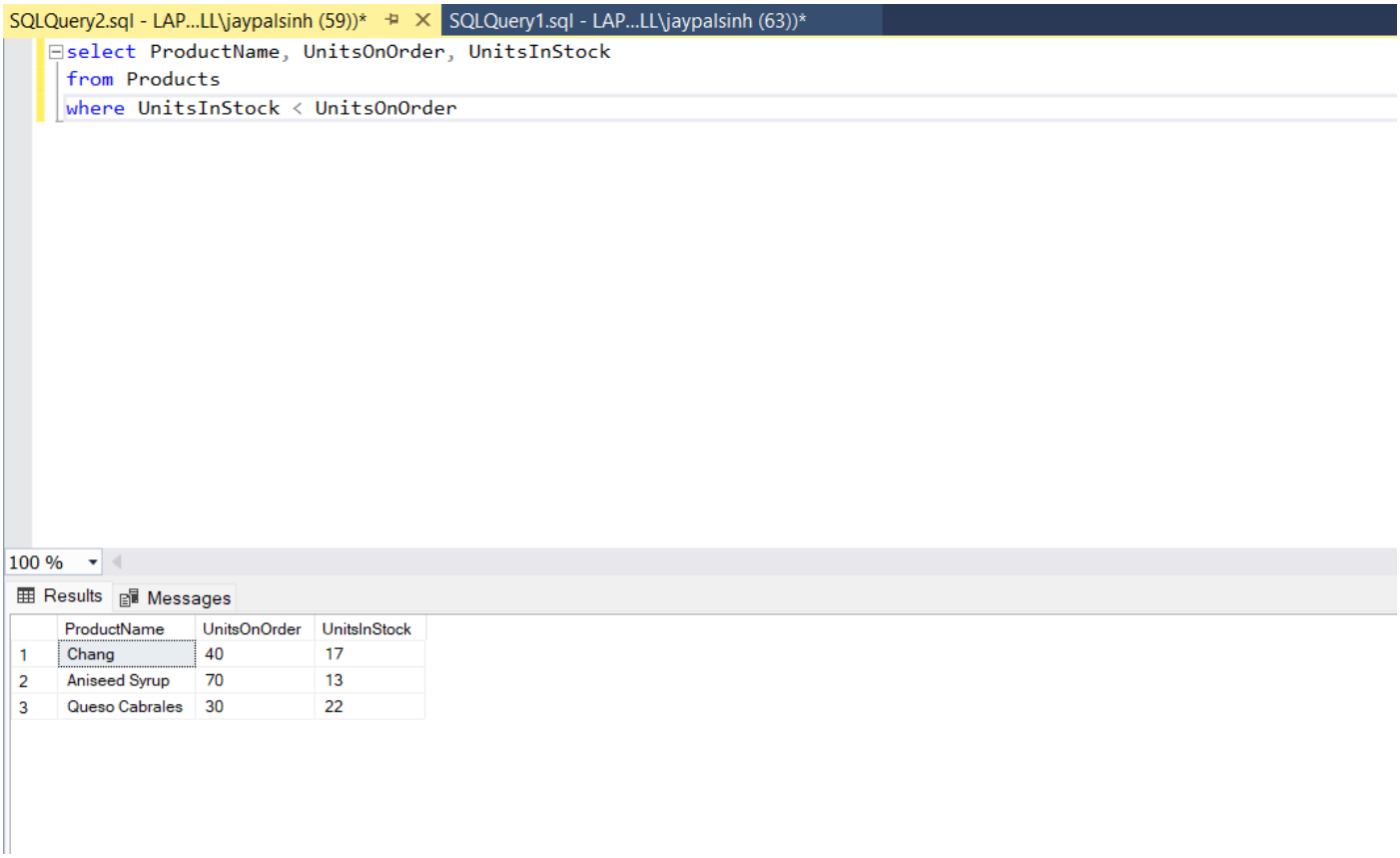
5. Write a query to count current and discontinued products

```
select count(ProductName)
from Products
group by Discontinued
```



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