Exercise

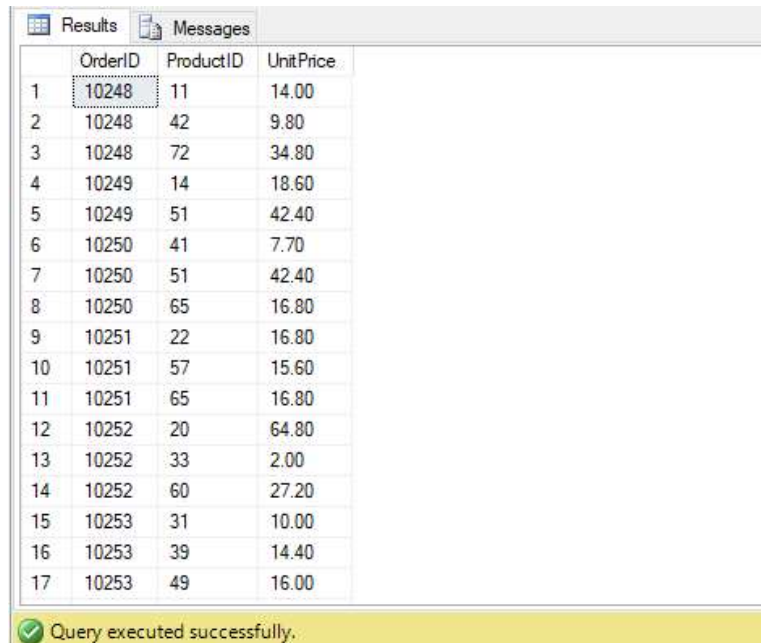**a)** Get Order id, Product id, Unit price from Order Details.

Solution:

```
use Northwind;
select OrderID, ProductID, UnitPrice from [Order Details]
```
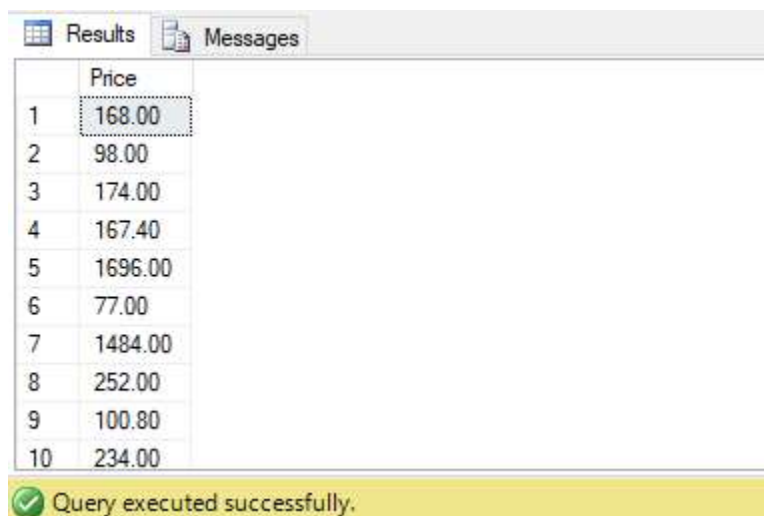
Output:

	OrderID	ProductID	UnitPrice
1	10248	11	14.00
2	10248	42	9.80
3	10248	72	34.80
4	10249	14	18.60
5	10249	51	42.40
6	10250	41	7.70
7	10250	51	42.40
8	10250	65	16.80
9	10251	22	16.80
10	10251	57	15.60
11	10251	65	16.80
12	10252	20	64.80
13	10252	33	2.00
14	10252	60	27.20
15	10253	31	10.00
16	10253	39	14.40
17	10253	49	16.00

Query executed successfully.

b) Get the price of an order (by multiplying unit price by quantity).

Solution:

```
use Northwind;
select UnitPrice*Quantity [Price] from [Order Details];
```

Output:

	Price
1	168.00
2	98.00
3	174.00
4	167.40
5	1696.00
6	77.00
7	1484.00
8	252.00
9	100.80
10	234.00

Query executed successfully.

c) Display all cities that employees belong to but don't allow repetition.
Solution:
```
use Northwind;
select*from Employees where City in ('London','Seattle','Redmond');
```
Output:

d) Find complete name of all employees.
Solution:
```
Select FirstName+ + LastName [Full Name] from Employees;
```
Output:

e) Display data of all employees those working as Sales Representative.
Solution:
```
Select * from Employees where Title = 'Sales Representative';
```
Output:

f) Display complete name of employees those lives in London.
Solution:
```
Select FirstName+ +LastName [Full Name] from Employees where City in ('London');
```
Output:

g) Display product name whose unit price are greater than 90$.
Solution:
`Select ProductName,UnitPrice From Products where UnitPrice>90;`
Output:

	ProductName	UnitPrice
1	Mishi Kobe Niku	97.00
2	Thüringer Rostbratwurst	123.79
3	Côte de Blaye	263.50

h) List the name of all employees whose first name starts with the letter 'A'..
Solution:
`Select FirstName from Employees where FirstName like 'A%';`
Output:

	FirstName
1	Andrew
2	Anne

I) Display names of all employees whose name contain 'an'.
Solution:
`select * from Employees where FirstName Like '%an%';`
Output:

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate
1	1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000
2	2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000
3	3	Leverling	Janet	Sales Representative	Ms.	1963-08-30 00:00:00.000
4	9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000

j) Display the company name where Region is NULL in Customer Table.
Solution:
`Select CompanyName from Customers where Region is Null;`
Output:

	CompanyName
1	Alfreds Futterkiste
2	Ana Trujillo Emparedados y helados
3	Antonio Moreno Taquería
4	Around the Horn
5	Berglunds snabbköp
6	Blauer See Delikatessen
7	Blondesddsl père et fils
8	Bólido Comidas preparadas
9	Bon app'
10	B's Beverages
11	Cactus Comidas para llevar

✅ Query executed successfully.

k) Write a query to list employees who live in London, Seattle or Redmond
Solution:

```sql
Select * from Employees where City in ('London','Seattle', 'Redmond');
```

Output:

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	Pos
1	1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98
2	4	Peacock	Margaret	Sales Representative	Mrs.	1937-09-19 00:00:00.000	1993-05-03 00:00:00.000	4110 Old Redmond Rd.	Redmond	WA	980
3	5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garrett Hill	London	NULL	SW
4	6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Coventry House Miner Rd.	London	NULL	EC
5	7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeham Hollow Winchester Way	London	NULL	RG
6	8	Callahan	Laura	Inside Sales Coordinator	Ms.	1958-01-09 00:00:00.000	1994-03-05 00:00:00.000	4726 - 11th Ave. N.E.	Seattle	WA	98
7	9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndstooth Rd.	London	NULL	WC

L) Write a query to list employees whose address contains 3 numbers in its start.
Solution:

```sql
Select * from Employees where Address like '[0-9][0-9][0-9]%';
```

Output:

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode
1	1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122
2	2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W. Capital Way	Tacoma	WA	98401
3	3	Leverling	Janet	Sales Representative	Ms.	1963-08-30 00:00:00.000	1992-04-01 00:00:00.000	722 Moss Bay Blvd.	Kirkland	WA	98033
4	4	Peacock	Margaret	Sales Representative	Mrs.	1937-09-19 00:00:00.000	1993-05-03 00:00:00.000	4110 Old Redmond Rd.	Redmond	WA	98052
5	8	Callahan	Laura	Inside Sales Coordinator	Ms.	1958-01-09 00:00:00.000	1994-03-05 00:00:00.000	4726 - 11th Ave. N.E.	Seattle	WA	98105

m) Write a query to list those employees whose TitleofCourtesy does not starts with M.
Solution:

```sql
Select * From Employees where TitleOfCourtesy not like 'M%';
```

Output:

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country
1	2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W. Capital Way	Tacoma	WA	98401	USA

n) List all products where UnitPrice is between 10 and 15 and QuantityPerUnit contains "bottles".
Solution:

```sql
Select ProductName,QuantityPerUnit from Products where UnitPrice between 10 and 15 and
QuantityPerUnit like '%bottles%';
```

Output:

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	3	Aniseed Syrup	1	2	12 - 550 ml bottles	10.00	13	70	25	0
2	34	Sasquatch Ale	16	1	24 - 12 oz bottles	14.00	111	0	15	0
3	67	Laughing Lumberjack Lager	16	1	24 - 12 oz bottles	14.00	52	0	10	0
4	70	Outback Lager	7	1	24 - 355 ml bottles	15.00	15	10	30	0

o) List all products where UnitPrice is not in 10,12,15,17 or 19.
Solution:

Select * from Products where UnitPrice not in (10,12,15,17,19);

Output:

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	1	Chai	1	1	10 boxes x 20 bags	18.00	39	0	10	0
2	4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22.00	53	0	0	0
3	5	Chef Anton's Gumbo Mix	2	2	36 boxes	21.35	0	0	0	1
4	6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	25.00	120	0	25	0
5	7	Uncle Bob's Organic Dried Pe...	3	7	12 - 1 lb pkgs.	30.00	15	0	10	0

Query executed successfully.   HP-ELITEBOOK-84 (16.0 RTM) | HP-ELITEBOOK-84\ESHOP ... | Northwind | 00:00:00 | 68 rows