

Questions A (1 Marks x 10) = 10 Marks

6. Count the number of orders placed by a customer with ID 10.

SELECT COUNT(*) as orders FROM Orders WHERE CustomerId=10

```
mysql> SELECT COUNT(*) as orders FROM Orders WHERE CustomerId=10;
+-----+
| orders |
+-----+
|      14 |
+-----+
1 row in set (0.00 sec)
```

7. Find the average unit price of products supplied by a specific supplier.

SELECT Suppliers.Id as supplierId, avg(Products.UnitPrice) as average

FROM Suppliers join Products on Suppliers.Id=Products.SupplierId

GROUP BY Suppliers.Id;

```
mysql> SELECT Suppliers.Id as supplierId, avg(Products.UnitPrice) as average
-> FROM Suppliers join Products on Suppliers.Id=Products.SupplierId
-> GROUP BY Suppliers.Id;
+-----+-----+
| supplierId | average |
+-----+-----+
|          1 | 15.666667 |
|          2 | 20.350000 |
|          3 | 31.666667 |
|          4 | 46.000000 |
|          5 | 29.500000 |
|          6 | 14.916667 |
|          7 | 35.570000 |
|          8 | 28.175000 |
|          9 | 15.000000 |
|         10 |  4.500000 |
|         11 | 29.710000 |
|         12 | 44.678000 |
|         13 | 25.890000 |
|         14 | 26.433333 |
|         15 | 20.000000 |
|         16 | 15.333333 |
|         17 | 20.000000 |
|         18 | 140.750000 |
|         19 | 14.025000 |
|         20 | 26.483333 |
|         21 | 10.750000 |
|         22 | 10.666667 |
|         23 | 18.083333 |
|         24 | 30.933333 |
|         25 | 15.725000 |
|         26 | 28.750000 |
|         27 | 13.250000 |
|         28 | 44.500000 |
|         29 | 38.900000 |
+-----+-----+
29 rows in set (0.00 sec)
```

8. Display the names of customers who have placed at least one order.

```

SELECT Customers.FirstName, Customers.LastName
FROM Customers
WHERE Customers.Id IN (
    SELECT Customers.Id
    FROM Customers join Orders on Customers.Id=Orders.CustomerId
    GROUP BY Customers.Id
    HAVING count(*) >= 1
);

```

```

mysql> SELECT Customers.FirstName, Customers.LastName
-> FROM Customers
-> WHERE Customers.Id IN (
->     SELECT Customers.Id
->     FROM Customers join Orders on Customers.Id=Orders.CustomerId
->     GROUP BY Customers.Id
->     HAVING count(*) >= 1
-> );

```

FirstName	LastName
Maria	Anders
Ana	Trujillo
Antonio	Moreno
Thomas	Hardy
Christina	Berglund
Hanna	Moos
Frédérique	Citeaux
Martin	Sommer
Laurence	Lebihan
Elizabeth	Lincoln
Victoria	Ashworth
Patricio	Simpson
Francisco	Chang
Yang	Wang
Pedro	Afonso
Elizabeth	Brown
Sven	Ottlieb
Janine	Labruno
Ann	Devon
Roland	Mendel
Aria	Cruz
Martine	Rancé
Maria	Larsson
Peter	Franken
Carine	Schmitt
Paolo	Accorti
Lino	Rodriguez
Eduardo	Saavedra
1994	Pedro-Francisco

Eduardo	Saavedra	
José	Pedro Freyre	
André	Fonseca	
Howard	Snyder	
Manuel	Pereira	
Mario	Pontes	
Carlos	Hernández	
Yoshi	Latimer	
Patricia	McKenna	
Helen	Bennett	
Philip	Cramer	
Daniel	Tonini	
Annette	Roulet	
Yoshi	Tannamuri	
John	Steel	
Renate	Messner	
Jaime	Yorres	
Carlos	González	
Felipe	Izquierdo	
Fran	Wilson	
Giovanni	Rovelli	
Catherine	Dewey	
Jean	Fresnière	
Alexander	Feuer	
Simon	Crowther	
Yvonne	Moncada	
Rene	Phillips	
Henriette	Pfalzheim	
Guillermo	Fernández	
Georg	Pipps	
Isabel	de Castro	
Bernardo	Batista	
Lúcia	Carvalho	
Horst	Kloss	
Sergio	Gutiérrez	
Paula	Wilson	
Maurizio	Moroni	
Janete	Limeira	
Michael	Holz	
Alejandra	Camino	
Jonas	Bergulfsen	
Jose	Pavarotti	
Hari	Kumar	
Jytte	Petersen	
Dominique	Perrier	
Art	Braunschweiler	
Pascale	Cartrain	

File	Edit	View	Search	Terminal	Help
Giovanni			Rovelli		
Catherine			Dewey		
Jean			Fresnière		
Alexander			Feuer		
Simon			Crowther		
Yvonne			Moncada		
Rene			Phillips		
Henriette			Pfalzheim		
Guillermo			Fernández		
Georg			Pipps		
Isabel			de Castro		
Bernardo			Batista		
Lúcia			Carvalho		
Horst			Kloss		
Sergio			Gutiérrez		
Paula			Wilson		
Maurizio			Moroni		
Janete			Limeira		
Michael			Holz		
Alejandra			Camino		
Jonas			Bergulfsen		
Jose			Pavarotti		
Hari			Kumar		
Jytte			Petersen		
Dominique			Perrier		
Art			Braunschweiger		
Pascale			Cartrain		
Liz			Nixon		
Liu			Wong		
Karin			Josephs		
Miguel			Angel Paolino		
Anabela			Domingues		
Helvetius			Nagy		
Palle			Ibsen		
Mary			Saveley		
Paul			Henriot		
Rita			Müller		
Pirkko			Koskitalo		
Paula			Parente		
Karl			Jablonski		
Matti			Karttunen		
Zbyszek			Piestrzeniewicz		
+-----+					
89 rows in set (0.00 sec)					

9. Get the total number of orders placed by each customer.

```
SELECT Customers.FirstName, Customers.LastName, count(Orders.Id) as freq
FROM Customers join Orders on Customers.Id=Orders.CustomerId
GROUP BY Customers.FirstName, Customers.LastName;
```

```
mysql> SELECT Customers.FirstName, Customers.LastName, count(Orders.Id) as freq
-> FROM Customers join Orders on Customers.Id=Orders.CustomerId
-> GROUP BY Customers.FirstName, Customers.LastName;
```

FirstName	LastName	freq
Maria	Anders	6
Ana	Trujillo	4
Antonio	Moreno	7
Thomas	Hardy	13
Christina	Berglund	18
Hanna	Moos	7
Frédérique	Citeaux	11
Martin	Sommer	3
Laurence	Lebihan	17
Elizabeth	Lincoln	14
Victoria	Ashworth	10
Patricio	Simpson	6
Francisco	Chang	1
Yang	Wang	8
Pedro	Afonso	5
Elizabeth	Brown	3
Sven	Ottlieb	6
Janine	Labrune	4
Ann	Devon	8
Roland	Mendel	30
Aria	Cruz	7
Martine	Rancé	5
Maria	Larsson	19
Peter	Franken	15
Carine	Schmitt	3
Paolo	Accorti	6
Lino	Rodriguez	8
Eduardo	Saavedra	5
José	Pedro Freyre	10
André	Fonseca	9
Howard	Snyder	11
Manuel	Pereira	2
Mario	Pontes	14
Carlos	Hernández	18
Yoshi	Latimer	5
Patricia	McKenna	19
Helen	Bennett	10
Philip	Cramer	14
Daniel	Tonini	4

Philip	Cramer	14
Daniel	Tonini	4
Annette	Roulet	14
Yoshi	Tannamuri	3
John	Steel	2
Renate	Messner	15
Jaime	Yorres	4
Carlos	González	14
Félicie	Isquardo	12
Fran	Wilson	8
Giovanni	Rovelli	10
Catherine	Dewey	7
Jean	Fresnière	13
Alexander	Feuer	5
Simon	Crowther	3
Yvonne	Moncada	5
Rene	Phillips	10
Henriette	Pfalzheim	10
Guillermo	Fernández	6
Georg	Pipps	10
Isabel	de Castro	5
Bernardo	Batista	9
Lúcia	Carvalho	13
Horst	Kloss	28
Sergio	Gutiérrez	5
Paula	Wilson	18
Maurizio	Moroni	12
Janete	Limeira	11
Michael	Holz	10
Alejandra	Camino	5
Jonas	Bergulfsen	6
Jose	Pavarotti	31
Hari	Kumar	9
Jytte	Petersen	7
Dominique	Perrier	4
Art	Braunschweiger	9
Pascale	Cartrain	12
Liz	Nixon	4
Liu	Wong	3
Karin	Josephs	6
Miguel	Angel Paolino	10
Anabela	Domingues	6
Helvetius	Nagy	3
Palle	Ibsen	11
Mary	Saveley	10
Paul	Henriot	5
Rita	Müller	10

Giovanni	Rovelli	10
Catherine	Dewey	7
Jean	Fresnière	13
Alexander	Feuer	5
Simon	Crowther	3
Yvonne	Moncada	5
Rene	Phillips	10
Henriette	Pfalzheim	10
Guillermo	Fernández	6
Georg	Pipps	10
Isabel	de Castro	5
Bernardo	Batista	9
Lúcia	Carvalho	13
Horst	Kloss	28
Sergio	Gutiérrez	5
Paula	Wilson	18
Maurizio	Moroni	12
Janete	Limeira	11
Michael	Holz	10
Alejandra	Camino	5
Jonas	Bergulfsen	6
Jose	Pavarotti	31
Hari	Kumar	9
Jytte	Petersen	7
Dominique	Perrier	4
Art	Braunschweiger	9
Pascale	Cartrain	12
Liz	Nixon	4
Liu	Wong	3
Karin	Josephs	6
Miguel	Angel Paolino	10
Anabela	Domingues	6
Helvetius	Nagy	3
Palle	Ibsen	11
Mary	Saveley	10
Paul	Henriot	5
Rita	Müller	10
Pirkko	Koskitalo	15
Paula	Parente	9
Karl	Jablonski	14
Matti	Karttunen	7
Zbyszek	Piastreniewicz	7

89 rows in set (0.00 sec)

10. Display the product name and unit price for products with a unit price greater than \$50.

```
SELECT ProductName, UnitPrice
FROM Products
WHERE UnitPrice>50;
```

```
mysql> SELECT ProductName, UnitPrice
-> FROM Products
-> WHERE UnitPrice>50;
```

ProductName	UnitPrice
Mishi Kobe Niku	97.00
Carnarvon Tigers	62.50
Sir Rodney's Marmalade	81.00
Thüringer Rostbratwurst	123.79
Côte de Blaye	263.50
Manjimup Dried Apples	53.00
Raclette Courdavault	55.00

7 rows in set (0.00 sec)

Questions B

1. List the top 5 most expensive products.

```
SELECT ProductName, UnitPrice
FROM Products
ORDER BY UnitPrice DESC
LIMIT 5;
```

```
mysql> SELECT ProductName, UnitPrice
-> FROM Products
-> ORDER BY UnitPrice DESC
-> LIMIT 5;

+-----+-----+
| ProductName | UnitPrice |
+-----+-----+
| Côte de Blaye | 263.50 |
| Thüringer Rostbratwurst | 123.79 |
| Mishi Kobe Niku | 97.00 |
| Sir Rodney's Marmalade | 81.00 |
| Carnarvon Tigers | 62.50 |
+-----+-----+
5 rows in set (0.01 sec)
```

2. Identify customers who have not placed any orders in the year 2014.

```
SELECT FirstName, LastName
FROM Customers
WHERE Customers.Id NOT IN (SELECT CustomerId FROM Orders WHERE YEAR(Orders.OrderDate) = 2014);
```

```
mysql> SELECT FirstName, LastName
-> FROM Customers
-> WHERE Customers.Id NOT IN (SELECT CustomerId FROM Orders WHERE YEAR(Orders.OrderDate) = 2014);

+-----+-----+
| FirstName | LastName |
+-----+-----+
| Francisco | Chang |
| Aria | Cruz |
| Diego | Roel |
| Martine | Rancé |
| Manuel | Pereira |
| Yoshi | Latimer |
| John | Steel |
| Jean | Fresnière |
| Marie | Bertrand |
| Paul | Henriot |
+-----+-----+
10 rows in set (0.01 sec)
```

3. Find the total revenue generated in October.

```
SELECT sum(TotalAmount)
FROM Orders
WHERE MONTH(OrderDate) = 10;
```

```
mysql> SELECT sum(TotalAmount)
-> FROM Orders
-> WHERE MONTH(OrderDate) = 10;

+-----+
| sum(TotalAmount) |
+-----+
| 111532.10 |
+-----+
1 row in set (0.00 sec)
```

4. List the products that have never been ordered.

```
SELECT ProductName
FROM Products
WHERE Products.Id NOT IN (SELECT ProductId FROM OrderItem);
```

```
mysql> SELECT ProductName
-> FROM Products
-> WHERE Products.Id NOT IN (SELECT ProductId FROM OrderItem);
+-----+
| ProductName |
+-----+
| Stroopwafels |
+-----+
1 row in set (0.00 sec)
```

5. Retrieve the names of suppliers who provide more than 3 different products.

```
SELECT CompanyName
FROM Suppliers
WHERE Suppliers.Id IN (
  SELECT Suppliers.Id
  FROM Suppliers join Products on Suppliers.Id = Products.SupplierId
  GROUP BY Suppliers.Id
  HAVING count(*) > 3);
```

```
mysql> SELECT CompanyName
-> FROM Suppliers
-> WHERE Suppliers.Id IN (
-> SELECT Suppliers.Id
-> FROM Suppliers join Products on Suppliers.Id = Products.SupplierId
-> GROUP BY Suppliers.Id
-> HAVING count(*) > 3);
+-----+
| CompanyName |
+-----+
| New Orleans Cajun Delights |
| Pavlova, Ltd. |
| Specialty Biscuits, Ltd. |
| Plutzer Lebensmittelgroßmärkte AG |
+-----+
4 rows in set (0.00 sec)
```

6. Calculate the average order value for each customer.

```
SELECT Customers.FirstName, Customers.LastName, avg(Orders.TotalAmount) as average
FROM Customers join Orders on Customers.Id=Orders.CustomerId
GROUP BY Customers.Id;
```

```
mysql> SELECT Customers.FirstName, Customers.LastName, avg(Orders.TotalAmount) as average
-> FROM Customers join Orders on Customers.Id=Orders.CustomerId
-> GROUP BY Customers.Id;
+-----+
| FirstName | LastName | average |
+-----+
| Maria | Anders | 766.033333 |
| Ana | Trujillo | 350.737500 |
| Antonio | Moreno | 1073.621429 |
| Thomas | Hardy | 1062.038462 |
| Christina | Berglund | 1498.230556 |
| Hanna | Moos | 462.828571 |
| Frédérique | Cateaux | 1735.272727 |
| Martin | Sommer | 1765.933333 |
| Laurence | Lebihan | 1402.997059 |
| Elizabeth | Lincoln | 1614.835714 |
| Victoria | Ashworth | 608.990000 |
| Patricio | Simpson | 302.466667 |
| Francisco | Chang | 100.800000 |
| Yang | Wang | 1610.787500 |
| Pedro | Afonso | 762.150000 |
| Elizabeth | Brown | 573.033333 |
| Sven | Ottlieb | 627.201667 |
| Janine | Labrune | 403.975000 |
| Ann | Devon | 1879.207500 |
| Roland | Mendel | 3774.550000 |
| Aria | Cruz | 634.128571 |
| Martine | Rancé | 2333.300000 |
| Maria | Larsson | 1713.450000 |
| Peter | Franken | 1914.847333 |
+-----+
```


Mario	Pontes	2435.796429
Carlos	Hernández	1311.754444
Yoshi	Latimer	612.640000
Patricia	McKenna	3016.704737
Helen	Bennett	614.630000
Philip	Cramer	2267.553571
Daniel	Tonini	498.012500
Annette	Roulet	733.739286
Yoshi	Tannamuri	174.166667
John	Steel	178.500000
Renate	Messner	1418.801333
Jaime	Yorres	872.505000
Carlos	González	1273.218571
Felipe	Izquierdo	1490.795833
Fran	Wilson	532.325000
Giovanni	Rovelli	760.385000
Catherine	Dewey	1490.082857
Jean	Fresnière	2477.223077
Alexander	Feuer	1008.440000
Simon	Crowther	216.333333
Yvonne	Moncada	692.040000
Rene	Phillips	1632.515000
Henriette	Pfalzheim	1315.750000
Guillermo	Fernández	707.033333
Georg	Pipps	2625.995000
Isabel	de Castro	1063.420000
Bernardo	Batista	774.847778
Lúcia	Carvalho	2325.084615
Horst	Kloss	4195.835357
Sergio	Gutiérrez	568.820000
Paula	Wilson	2902.550000
Maurizio	Moroni	629.633333
Janete	Limeira	1174.945455
Michael	Holz	2003.320000
Alejandra	Camino	293.450000
Jonas	Bergulfsen	955.858333
Jose	Pavarotti	3731.399677
Hari	Kumar	1908.005556
Jytte	Petersen	2591.207143
Dominique	Perrier	609.637500
Art	Braunschweiger	1387.744444
Pascale	Cartrain	2058.700000
Liz	Nixon	840.250000
Liu	Wong	649.080000
Karin	Josephs	825.666667
Miguel	Angel Paolino	1081.215000
Anabela	Domingues	1218.436667

Philip	Cramer	382.3571
Daniel	Tonini	685.5000
Annette	Roulet	338.5714
Yoshi	Tannamuri	394.6667
John	Steel	266.5000
Renate	Messner	370.7333
Jaime	Yorres	482.2500
Carlos	González	380.5000
Felipe	Izquierdo	533.7500
Fran	Wilson	410.8750
Giovanni	Rovelli	385.6000
Catherine	Dewey	568.4286
Jean	Fresnière	268.8462
Alexander	Feuer	408.0000
Simon	Crowther	528.3333
Yvonne	Moncada	509.4000
Rene	Phillips	425.6000
Henriette	Pfalzheim	414.1000
Guillermo	Fernández	373.0000
Georg	Pipps	364.8000
Isabel	de Castro	283.0000
Bernardo	Batista	318.4444
Lúcia	Carvalho	404.0000
Horst	Kloss	396.1706
Sergio	Gutiérrez	538.4000
Paula	Wilson	353.1111
Maurizio	Moroni	454.9167
Janete	Limeira	384.5455
Michael	Holz	490.6000
Alejandra	Camino	312.8000
Jonas	Bergulfsen	469.8333
Jose	Pavarotti	475.3871
Hari	Kumar	324.0000
Jytte	Petersen	396.0000
Dominique	Perrier	666.0000
Art	Braunschweiger	273.6667
Pascale	Cartrain	444.0000
Liz	Nixon	456.7500
Liu	Wong	553.6667
Karin	Josephs	295.6667
Miguel	Angel Paolino	331.8000
Anabela	Domingues	402.5000
Helvetius	Nagy	410.6667
Palte	Ibsen	433.5455
Mary	Saveley	336.1000
Paul	Henriot	211.6000
Rita	Müller	290.7000

Giovanni	Rovelli	760.385000
Catherine	Dewey	1490.002857
Jean	Fresnière	2477.223077
Alexander	Feuer	1088.440000
Simon	Crowther	216.333333
Yvonne	Moncada	692.040000
Rene	Phillips	1632.515000
Henriette	Pfalzheim	1315.750000
Guillermo	Fernández	707.033333
Georg	Pipps	2625.995000
Isabel	de Castro	1063.420000
Bernardo	Batista	774.847778
Lúcia	Carvalho	2325.084615
Horst	Kloss	4195.835357
Sergio	Gutiérrez	508.820000
Paula	Wilson	2902.250000
Maurizio	Moroni	629.633333
Janete	Limeira	1174.945455
Michael	Holz	2003.320000
Alejandra	Camino	293.450000
Jonas	Bergulfsen	955.858333
Jose	Pavarotti	3731.399077
Harri	Kumar	1908.005556
Jytte	Petersen	2591.207143
Dominique	Perrier	605.837500
Art	Braunschweiger	1387.744444
Pascale	Cartrain	2058.700000
Liz	Nixon	840.250000
Liu	Wong	649.000000
Karin	Josephs	825.666667
Miguel	Angel Paolino	1081.215000
Anabela	Domingues	1218.436667
Helvetius	Nagy	523.733333
Palle	Ibsen	1513.072727
Mary	Saveley	993.710000
Paul	Henriot	296.000000
Rita	Müller	1065.385000
Pirkko	Koskitalo	1107.806667
Paula	Parente	720.077778
Karl	Jablonski	2076.675000
Matti	Karttunen	451.621429
Zbyszek	Piestrzeniewicz	504.564286

89 rows in set (0.00 sec)

7. Find the most popular product (the one with the highest total quantity ordered).

```
SELECT od.ProductId as id
```

```
FROM OrderItem as od
```

```
GROUP BY ProductId
```

```
ORDER BY SUM(Quantity)
```

```
LIMIT 1;
```

```
mysql> SELECT od.ProductId as id
-> FROM OrderItem as od
-> GROUP BY ProductId
-> ORDER BY SUM(Quantity)
-> LIMIT 1;
+----+
| id |
+----+
| 9 |
+----+
1 row in set (0.00 sec)
```

8. List the customers who have spent more than a certain amount in total.

```
SELECT Customers.FirstName, Customers.LastName, sum(Orders.TotalAmount) as amount
```

```
FROM Customers join Orders on Customers.Id=Orders.CustomerId
```

```
GROUP BY Customers.FirstName, Customers.LastName
```

```
HAVING amount > 1000;
```

```
mysql> SELECT Customers.FirstName, Customers.LastName, sum(Orders.TotalAmount) as amount
-> FROM Customers join Orders on Customers.Id=Orders.CustomerId
-> GROUP BY Customers.FirstName, Customers.LastName
-> HAVING amount > 1000;
```

FirstName	LastName	amount
Maria	Anders	4596.20
Ana	Trujillo	1402.95
Antonio	Moreno	7515.35
Thomas	Hardy	13806.50
Christina	Berglund	26968.15
Hanna	Moos	3239.80
Frédérique	Citeaux	19088.00
Martin	Sommer	5297.80
Laurence	Leblanc	23850.95
Elizabeth	Lincoln	22897.70
Victoria	Ashworth	6089.90
Patricio	Simpson	1814.80
Yang	Wang	12886.30
Pedro	Afonso	3810.75
Elizabeth	Brown	1719.10
Sven	Ottlieb	3763.21
Janine	Labruno	1615.90
Ann	Devon	15033.66
Roland	Mendel	113236.68
Aria	Cruz	4438.90
Martine	Rancé	11666.90
Maria	Larsson	32555.55
Peter	Franken	28722.71
Carline	Schmitt	3172.16
Paolo	Accorti	1545.70
Lino	Rodriguez	7151.55
José	Pedro Freyre	11830.10
André	Fonseca	8762.23
Howard	Snyder	19711.13
Manuel	Perseira	1488.70
Mario	Pontes	34101.15
Carlos	Hernández	23611.58
Yoshi	Latimer	3063.20
Patricia	McKenna	57317.39
Helen	Bennett	6146.30
Philip	Cramer	31745.75
Daniel	Tomini	1892.05
Annette	Roulet	10272.35
Beneta	Vaccaro	21282.62

Fran	Wilson	4258.60
Giovanni	Rovelli	7603.85
Catherine	Dewey	10430.58
Jean	Fresnière	32203.90
Alexander	Feuer	5042.20
Yvonne	Moncada	3460.20
Rene	Phillips	16325.15
Henriette	Pfalzheim	13157.50
Guillermo	Fernández	4242.20
Georg	Pipps	26259.95
Isabel	de Castro	5317.10
Bernardo	Batista	6973.63
Lúcia	Carvalho	30226.10
Horst	Kloss	117483.39
Sergio	Gutiérrez	2844.10
Paula	Wilson	52245.90
Maurizio	Moroni	7555.60
Janete	Limeira	12924.40
Michael	Holz	20033.20
Alejandra	Camino	1467.29
Jonas	Bergulfsen	5735.15
Jose	Pavarotti	115673.39
Hari	Kumar	17172.05
Jytte	Petersen	18138.45
Dominique	Perrier	2423.35
Art	Braunschweiler	12489.70
Pascale	Cartrain	24704.40
Liz	Mixon	3361.00
Liu	Wong	1947.24
Karin	Josephs	4954.00
Miguel	Angel Paolino	10812.15
Anabela	Domingues	7310.62
Helvetius	Nagy	1571.20
Palle	Ibsen	16643.80
Mary	Savely	9037.10
Paul	Henriot	1480.00
Rita	Müller	10653.85
Pirkko	Koskitalo	16617.10
Paula	Parente	6480.70
Karl	Jablonski	29073.45
Matti	Karttunen	3161.35
Zbyszek	Piestrzeniewicz	3521.95

84 rows in set (0.01 sec)

9. Identify products that have been supplied by multiple suppliers.

SELECT Id, count(SupplierId) as freq

FROM Products

GROUP BY Id

HAVING freq>1;

```
mysql> SELECT Id, count(SupplierId) as freq
-> FROM Products
-> GROUP BY Id
-> HAVING freq>1;
Empty set (0.00 sec)
```

10. Find the total number of orders placed in each country

SELECT Country, count(*)

FROM Customers join Orders on Customers.Id=Orders.CustomerId

GROUP BY Country;

```
mysql> SELECT Country, count(*)
-> FROM Customers join Orders on Customers.Id=Orders.CustomerId
-> GROUP BY Country;
```

Country	count(*)
Germany	122
Mexico	28
UK	56
Sweden	37
France	77
Spain	23
Canada	39
Argentina	16
Switzerland	18
Brazil	83
Austria	40
Italy	28
Portugal	13
USA	122
Venezuela	46
Ireland	19
Belgium	19
Norway	6
Denmark	18
Finland	22
Poland	7

21 rows in set (0.01 sec)