

1) Print Distinct City from Table Customers and Print Count Distinct City from Table Customers

```
postgres=# SET CLIENT_ENCODING TO 'utf8';
SET
postgres=# select DISTINCT(city) from customers;
      city
-----
Rio de Janeiro
M\u0082xico D.F.
Nantes
Butte
Walla
Paris
Cowes
Cork
Bern
Brandenburg
Aachen
Walla Walla
San Francisco
Eugene
```

```
postgres=#
postgres=#
postgres=# select count(DISTINCT(city)) from customers;
count
-----
      70
(1 row)

postgres=#
```

2) Write a SQL query to get the least number of quantities and the highest number of quantities bought by the user consider the OrderDetails Table.

```
postgres=# select max(quantity), min(quantity) from order_details;
max | min
-----+-----
120 | 1
(1 row)
```

3) Print the total and an average number of quantities ordered by users, consider the OrderDetails Table

```
postgres=# select avg(quantity),sum(quantity) from order_details;
      avg      | sum
-----+-----
 24.6003861003861004 | 12743
(1 row)
```

4) Print name of the product which is present at the 5th position till the 15th position from Products table, use LIMIT keyword.

```
postgres=# select productName, productID from products order by productID limit 11 offset 4;
      productname      | productid
-----+-----
 Chef Anton's Gumbo Mix |          5
 Grandma's Boysenberry Spread |          6
 Uncle Bob's Organic Dried Pears |          7
 Northwoods Cranberry Sauce |          8
 Mishi Kobe Niku |          9
 Ikura |         10
 Queso Cabrales |         11
 Queso Manchego La Pastora |         12
 Konbu |         13
 Tofu |         14
 Genen Shouyu |         15
(11 rows)
```

5) Write a SQL query for all the details of the supplier whose name consists of "A" at the second position from the Suppliers table.

```
postgres=# select supplierName from suppliers where supplierName like '_a%';
      suppliername
-----
 Mayumi's
 Pavlova, Ltd.
 Zaanse Snoepfabriek
 Karkki Oy
 Ma Maison
 Pasta Buttini s.r.l.
 Gai p\u00083turage
(7 rows)
```

6) Print the details of the customer who doesn't stay in the USA and Canada from the Customers table.

```
postgres=# select * from customers where country != 'USA' AND country != 'Canada';
```

customerid	customername	contactname	address	city	postalcode	country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
8	Bólido Comidas preparadas	Martín Sommer	C/ Araquil, 67	Madrid	28023	Spain
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden
6	Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany
7	Blondel père et fils	Frédérique Citeaux	24, place Kléber	Strasbourg	67000	France
9	Bon app'	Laurence Leblanc	12, rue des Bouchers	Marseille	13008	France
3	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden

(82 rows)

```
postgres=#
```

8) Write a query to show the distinct city and their count from the Customers table.

```
postgres=# select count(city),city from customers group by city;
```

count	city
3	Rio de Janeiro
2	México D.F.
2	Nantes
1	Butte
1	Walla
2	Paris
1	Cowes
1	Cork
1	Bern
1	Brandenburg
1	Aachen
1	Walla Walla
1	San Francisco
1	Eugene
1	Caracas
1	Berlin
1	Lyon
1	Lille
1	Frederiksberg
1	Salzburg
1	Elgin
1	Kansas
1	Frankfurt a.M.
1	Stuttgart
2	Portland
1	Bruxelles
1	Barcelona
1	Leipzig
1	Reims
1	Oulu
1	Seattle
1	Versailles
1	Sevilla
1	Münster
1	Helsinki
4	Sao Paulo
1	Albuquerque
2	Marseille

```

1 | Kirkland
1 | Boise
1 | Reggio Emilia
1 | Bergamo
2 | Strasbourg
1 | Toulouse
1 | M\u0081nchen
1 | Charleroi
1 | Resende
1 | Montr\u0082al
2 | Tsawassen
7 | London
1 | Stavern
1 | Barquisimeto
2 | Mannheim
1 | Anchorage
1 | Kobenhavn
1 | Campinas
1 | Br\u0084cke
5 | M\u00c9xico D.F.
2 | Lisboa
1 | Torino
1 | Graz
1 | Cunewalde
2 | Lule\u00c1
1 | Lander
3 | Madrid
1 | Vancouver
1 | I. de Margarita
3 | Buenos Aires
1 | Gen\u008Ave
1 | San Crist\u00f3bal
(70 rows)

```

9) Write a query to fetch details of all employees excluding the employees with first names, “Sanjay” and “Sonia” from the Employees table.

```

postgres=# select * from employees where LastName != 'Sanjay' AND LastName != 'Soniya';
employeeid | lastname | firstname | birthdate | photo | notes
-----
1 | Rahul | Sharma | 1968-12-08 | EmpID1.pic | Education includes a BA in psychology from Colorado State University. She also completed (The Art of the Cold Call). Nancy is a member of 'Toastmasters International'.
2 | Fuller | Copper | 1952-02-19 | EmpID2.pic | Andrew received his BTS commercial and a Ph.D. in international marketing from the University of Dallas. He is fluent in French and Italian and reads German. He joined the company as a sales representative, was promoted to sales manager and was then named vice president of sales. Andrew is a member of the Sales Management Roundtable, the Seattle Chamber of Commerce, and the Pacific Rim Importers Association.
3 | Vivek | Desai | 1963-08-30 | EmpID3.pic | Janet has a BS degree in chemistry from Boston College). She has also completed a certificate program in food retailing management. Janet was hired as a sales associate and was promoted to sales representative.
5 | Buchanan | Steven | 1955-03-04 | EmpID5.pic | Steven Buchanan graduated from St. Andrews University, Scotland, with a BSC degree. Upon joining the company as a sales representative, he spent 6 months in an orientation program at the Seattle office and then returned to his permanent post in London, where he was promoted to sales manager. Mr. Buchanan has completed the courses 'Successful Telemarketing' and 'International Sales Management'. He is fluent in French.
6 | Suyama | Josh | 1963-07-02 | EmpID6.pic | Michael is a graduate of Sussex University (MA, economics) and the University of California at Los Angeles (MBA, marketing). He has also taken the courses 'Multi-Cultural Selling' and 'Time Management for the Sales Professional'. He is fluent in Japanese and can read and write French, Portuguese, and Spanish.
10 | Ram | Rastogi | 1928-09-19 | EmpID10.pic | An old chum.
(8 rows)

postgres=#

```

10) Duplicate a table as similar to the Suppliers table and name it as SupplierDetail.

```
postgres=# create table supplier_detail as (select * from suppliers);
SELECT 29
postgres=# \list
```

supplierid	suppliername	contactname	address	city	postalcode	country	phone
1	Exotic Liquid	Charlotte Cooper	49 Gilbert St.	Londona	EC1 4SD	UK	(171) 555-2222
2	New Orleans Cajun Delights	Shelley Burke	P.O. Box 78934	New Orleans	70117	USA	(108) 555-4822
3	Grandma Kelly's Homestead	Regina Murphy	707 Oxford Rd.	Ann Arbor	48104	USA	(313) 555-5735
4	Tokyo Traders	Yoshi Nagase	9-8 Sekimai Musashino-shi	Tokyo	100	Japan	(83) 3555-5011
5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saavedra	Calle del Rosal 4	Oviedo	33007	Spain	(98) 598 76 54
6	Mayumi's	Mayumi Ohno	92 Setsuko Chuo-ku	Osaka	545	Japan	(06) 431-7877
7	Pavlova, Ltd.	Ian Devling	74 Rose St. Moonie Ponds	Melbourne	3058	Australia	(03) 444-2343
8	Specialty Biscuits, Ltd.	Peter Wilson	29 King's Way	Manchester	M14 6SD	UK	(161) 555-4448
9	PB Kn\0084ckebr\0094d AB	Lars Peterson	Kaloadagatan 13	G\0094teborg	S-345 67	Sweden	031-987 65 43
10	Refrrescos Americanas LTDA	Carlos Diaz	Av. das Americanas 12.890	Sao Paulo	5442	Brazil	(11) 555 4640
11	Heli St\0084rwaren GmbH & Co. KG	Petra Winkler	Tiergartenstra\0092e 5	Berlin	10785	Germany	(030) 9984510
12	Plutzer Lebensmittelgro\0084rkte AG	Martin Bein	Bogenallee 51	Frankfurt	60439	Germany	(069) 992755
13	Cuxhaven				27478	Germany	(04721) 8713

11) Delete customer details whose country is Venezuela and print the rest of the Customer table

```
postgres=# delete from customers where country = 'Venezuela';
DELETE 4
```