

## SQL Code

```

1  -- 1. Create a report that shows the number of employees and customers
2  -- from each city that has employees in it
3  SELECT COUNT(DISTINCT e.EmployeeID) AS numEmployees,
4         COUNT(DISTINCT c.CustomerID) AS numCompanies,
5         e.City, c.City
6  FROM EMPLOYEES e
7  LEFT OUTER JOIN CUSTOMERS c ON (e.City = c.City)
8  GROUP BY e.CITY, c.CITY
9  ORDER BY numEmployees DESC;
10
11 -- 2.Create a report that shows the number of employees and customers
12 -- from each city that has customers in it.
13 SELECT COUNT(DISTINCT e.EmployeeID) AS numEmployees,
14         COUNT(DISTINCT c.CustomerID) AS numCompanies,
15         e.City, c.City
16 FROM Employees e
17 RIGHT OUTER JOIN Customers c ON (e.City = c.City)
18 GROUP BY e.City, c.City
19 ORDER BY numEmployees DESC;
20
21 -- 3.Create a report that shows the number of employees and customers from ea
ch city
22 SELECT COUNT(DISTINCT e.EmployeeID) AS numEmployees,
23         COUNT(DISTINCT c.CustomerID) AS numCompanies,
24         e.City, c.City
25 FROM Employees e
26 FULL OUTER JOIN Customers c ON (e.City = c.City)
27 GROUP BY e.City, c.City
28 ORDER BY numEmployees DESC;
29
30 -- 4. Create a report showing the contact name and phone numbers
31 -- for all employees, customers, and suppliers.
32 SELECT FirstName || ' ' || LastName AS Contact, HomePhone AS Phone
33 FROM Employees
34 UNION
35 SELECT ContactName, Phone
36 FROM Customers
37 UNION
38 SELECT ContactName, Phone
39 FROM Suppliers
40 ORDER BY 1;
41

```



a	<b>B</b>
	violett
	violett
	violett

b	<b>COUNT(*)</b>
	36

c	<b>D</b>	<b>ANZAHL</b>
	M	1
	S	2
	X	1
	XXL	2

d	<b>COUNT(*)</b>
	6

e	<b>B</b>	<b>COUNT(*)</b>	<b>MIN(C)</b>
	blau	2	10
	orange	2	50
	violett	2	10

f	<b>B</b>
	orange
	magneta
	violett

g	<b>COUNT(*)</b>
	14