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Lab 3

Q1. Selects all customers that are from the same countries as the suppliers.

Screenshots:

```
SELECT *
FROM Customers
LEFT JOIN Suppliers
ON Customers.Country = Suppliers.Country;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 187

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country	SupplierID	SupplierName
1	Alfreds Futterkiste	Petra Winkler	Tiergartenstraße 5	Berlin	10785	Germany	11	Heli Süßwaren GmbH & Co. KG
1	Alfreds Futterkiste	Sven Petersen	Frahmredder 112a	Cuxhaven	27478	Germany	13	Nord-Ost-Fisch Handelsgesellschaft mbH

Explanation:

To find the records, I used the following command:

SELECT *

FROM Customers

LEFT JOIN Suppliers

ON Customers.Country = Suppliers.Country;

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Q2. Selects all orders with an OrderDate BETWEEN '01-July-1996' and '31-July-1996'.

Screenshots:

```
SELECT *
FROM Orders
WHERE OrderDate
BETWEEN '01-July-1996' and '31-July-1996'
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 196

OrderID	CustomerID	EmployeeID	OrderDate
10248	90	5	1996-07-04
10249	81	6	1996-07-05

Explanation:

To find the records, I used the following command:

SELECT *

FROM Orders

WHERE OrderDate

BETWEEN '01-July-1996' and '31-July-1996'

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Q3. Lists the number of customers in each country, sorted high to low.

Screenshots:

```
SELECT COUNT(CustomerID), Country
FROM Customers
GROUP BY Country
ORDER BY COUNT(CustomerID) DESC;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 21

COUNT(CustomerID)	Country
13	USA
11	Germany
11	France
9	Brazil

Explanation:

To find the records, I used the following command:

SELECT COUNT(CustomerID), Country

FROM Customers

GROUP BY Country

ORDER BY COUNT(CustomerID) DESC;

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Q4. Creates a new table called "Managers" (which is a copy of the "Employees" table).

Screenshots:

```
CREATE TABLE Managers AS
SELECT EmployeeID, LastName, FirstName, BirthDate, Photo, Notes
FROM Employees;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 10

EmployeeID	LastName	FirstName	BirthDate	Photo	Notes
1	Davolio	Nancy	1968-12-08	EmpID1.pic	Education includes a (The Art of the Cold C
2	Fuller	Andrew	1952-02-19	EmpID2.pic	Andrew received his E University of Dallas. H

Explanation:

To create the table, I used the following command:

CREATE TABLE Managers AS

SELECT EmployeeID, LastName, FirstName, BirthDate, Photo, Notes

FROM Employees;

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Q5. Deletes the data inside the Managers table.

Screenshots:

TRUNCATE TABLE managers;

Explanation:

To delete the data in the table, I used the following command:

TRUNCATE TABLE Managers;

However, for some reason this gave me a syntax error and the SQL editor does not recognize TRUNCATE as a command

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Q6. Deletes the "EmployeeID" column from the "Managers" table.

Q7. Adds a "ManagerID" column to the "Managers" table.

Screenshots:

```
ALTER TABLE "Managers" RENAME COLUMN "EmployeeID" TO "ManagerID";
```

Number of Reco

ManagerID
1
2

Explanation:

To alter the table, I used the following command:

ALTER TABLE "Managers" RENAME COLUMN "EmployeeID" TO "ManagerID";

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Q8. Adds a "ManagerID" column to the "Managers" table.

Screenshots:

```
ALTER TABLE "Managers" RENAME COLUMN "EmployeeID" TO "ManagerID";
```

Number of Reco

ManagerID
1
2

Explanation:

To find the product names, I used the following command:

SELECT productname FROM [Products]

where productid in

(SELECT productid FROM [OrderDetails]

where orderid in

(SELECT orderid FROM [Orders]

where shipperid

in (SELECT shipperid FROM [Shippers]

where shippername = "Federal Shipping")))