Final Project Solutions

Get the count of Sales Reps that work in offices that aren't in the United States of America (in descending order)?

CODE

```sql
SELECT COUNT(employeenumber) as "employeecount", city FROM "alanparadise/cm"."employees" e
  JOIN
  "alanparadise/cm"."offices" o on e.officecode = o.officecode
    GROUP BY e.officecode, city
  HAVING e.officecode in (4, 5, 6, 7)
  ORDER BY COUNT(employeenumber) DESC
```

Solution Set

employeecount BIGINT	city TEXT
5	Paris
4	Sydney
2	Tokyo
2	London

List the employees by total dollar sales volume (use buy price * quantityordered) in descending order.

```sql
SELECT employeenumber, e.lastname, e.firstname, to_char(SUM(priceeach * quantityordered), '$999,999,999.00') AS "Total Sales"
  FROM "alanparadise/cm"."employees" e
  JOIN
  "alanparadise/cm"."Customers" c ON e.employeenumber = c.salesrepemployeenumber
  JOIN
  "alanparadise/cm"."orders" o ON c.customernumber = o.customernumber
  JOIN
  "alanparadise/cm"."orderdetails" d ON o.ordernumber = d.ordernumber
  GROUP BY employeenumber, e.lastname, e.firstname
  ORDER BY SUM(priceeach * quantityordered) DESC
```

employeenumber BIGINT	lastname TEXT	firstname TEXT	"Total Sales" TEXT
1370	Hernandez	Gerard	$ 1,258,577.81
1165	Jennings	Leslie	$ 1,081,530.54
1401	Castillo	Pamela	$ 868,220.55
1501	Bott	Larry	$ 732,096.79
1504	Jones	Barry	$ 704,853.91
1323	Vanauf	George	$ 669,377.05
1612	Marsh	Peter	$ 584,593.76
1337	Bondur	Loui	$ 569,485.75
1611	Fixter	Andy	$ 562,582.59
1216	Patterson	Steve	$ 505,875.42
1286	Tseng	Foon Yue	$ 488,212.67
1621	Nishi	Mami	$ 457,110.07
1702	Gerard	Martin	$ 387,477.47
1188	Firrelli	Julie	$ 386,663.20
1166	Thompson	Leslie	$ 347,533.03

How much of each product line is in stock where the MSRP is less than $100 and the buy price is less than $50? List in descending order.

```sql
SELECT productline, SUM(quantityinstock) as "Low Priced Quantity Stock"
FROM(
    SELECT productline, quantityinstock
    FROM "alanparadise/cm"."products"
    WHERE msrp < 100 AND buyprice < 50
) as LowPriceCount
GROUP BY productline
ORDER BY SUM(quantityinstock) DESC
```

productline VARCHAR	"Low Priced Quantity Stock" BIGINT
Vintage Cars	66176
Classic Cars	52544
Motorcycles	36675
Planes	30179
Ships	13632
Trains	10246
Trucks and Buses	5706