Chapter 14

Understanding Basic SQL

Making Sense of Joins Inner Joins

Bad SQL Code:

SELECT Region, Market, AccountManagerID, FullName
FROM Dim_AccountManagers INNER JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Correction:

SELECT Region, Market, Dim_AccountManagers.AccountManagerID, FullName FROM Dim_AccountManagers INNER JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Chapter 14

Understanding Basic SQL

Making Sense of Joins

Outer Joins

Bad SQL Code:

SELECT Region, Market, .AccountManagerID, FullName
FROM Dim_AccountManagers LEFT JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Correction:

SELECT Region, Market, Dim_AccountManagers.AccountManagerID, FullName FROM Dim_AccountManagers LEFT JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Bad SQL Code:

SELECT Region, Market, AccountManagerID, FullName
FROM Dim_AccountManagers RIGHT JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Correction:

SELECT Region, Market, Dim_AccountManagers.AccountManagerID, FullName FROM Dim_AccountManagers RIGHT JOIN Dim_Territory
ON Dim_AccountManagers.AccountManagerID = Dim_Territory.AccountManagerID

Chapter 14

Getting Fancy with Advanced SQL Statements

Grouping and Aggregating with the GROUP BY Clause

Bad Text:

For instance, this SQL statement will group the records where the value in the Market field is Dallas, then only return those records where the grouped average LineItem is less than 100. Again, the grouping is done before checking if the average LineItem is less than 100.

```
SELECT Market, Count(State)
FROM Dim_Territory
WHERE Market = "Dallas"
GROUP BY Market
HAVING Avg(LineItem) < 100
```

Correction:

For instance, this SQL statement will group the records where the value in the Market field is Dallas, then only return those customer records where the sum of Revenue is less than 100. Again, the grouping is done before checking if the sum of Revenue is less than 100.

```
SELECT Customer_Name, Sum(Revenue) AS Sales
FROM PvTblFeed
Where Market = "Dallas"
GROUP BY Customer_Name
HAVING (Sum(Revenue)<100)
```