Data Hierarchy and SQLJOINs Review

Data Hierarchy of Orders in AdventureWorks

All Customer Orders

Country and Region

Sales Territory

State and Province

Salespeople

Customer

Order

Order Item

States in Territory 1

```
SELECT Name
FROM Person.StateProvince
WHERE TerritoryID = 1
ORDER BY Name;
```

Name

Alaska

American Samoa

Hawaii

Idaho

Montana

Nevada

Oregon

Utah

Washington

Wyoming

Get Order Count for each State in Territory 1

Name	TotalOrderCount
Alaska	4594
American Samoa	4594
Hawaii	4594
Idaho	4594
Montana	4594
Nevada	4594
Oregon	4594
Utah	4594
Washington	4594
Wyoming	4594
	Alaska American Samoa Hawaii Idaho Montana Nevada Oregon Utah Washington

The returned data was obviously wrong. What's wrong with the code?

Calculate Total Sales for each territory

Solution	TerritoryID	Name	TotalSales
SELECT oh.TerritoryID, st.Name,	10	United Kingdom	187208421.64
ROUND(SUM(oh.TotalDue), 2) TotalSales	9	Australia	70573924.16
FROM Sales SalesOrderDetail od	8	Germany	92658225.65
INNER JOIN Sales.SalesOrderHeader oh	7	France	198158287.87
ON oh.SalesOrderID = od.SalesOrderID	6	Canada	526969463.24
INNER JOIN Sales.SalesTerritory st	5	Southeast	226427460.25
	4	Southwest	696896625.81
<pre>ON st.TerritoryID = oh.TerritoryID</pre>	3	Central	263099145.85
GROUP BY oh.TerritoryID, st.Name	2	Northeast	253771294.44
ORDER BY oh.TerritoryID DESC;	1	Northwest	411207275.13

Is this solution correct? If no, why not?