

Stanislaw Godlewski

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BADM 3802

Daugherty

Total Billing and Sales Analysis for Wellington Global Marketplace

This is my first project that I coded in SAS and SQL. I coded this as an assignment for Data and Text Mining; an undergraduate course held at the University of Connecticut. I was instructed to create two tables consisting of the sum of sales and the billing amount from the fifty products sold within the 51 states that were observed, including the District of Columbia respectively. The observations from these tables were extracted from collected data of the Wellington Global Marketplace. When recently collected data shows a lower amount of billing and sales than predicted, research is done within the company to determine appropriate protocol. As such, my professor instructed the class and I to compute the billing amount of each sale per state in USD, the billing amount of all sales per state in USD and the total quantity of sales per state. These calculations will allow an analyzer to investigate the success of the state. For example, if one particular state had a low quantity of sales and a low sum of billing, these calculations would determine which states had these numbers. Once the states had been identified, business strategies would be developed to increase the number of sales and amount of billing within that state.

Below is the link to the bar graphs and heat maps generated in Tableau after merging the calculated data from a Wellington Global Marketplace inventory spreadsheet with discount and tax rates factored in using SQL and SAS:

https://public.tableau.com/app/profile/stan.godlewski/viz/TotalBillingandSalesofWellingtonGlobalMarketplaceproductsperState_/Dashboard1?publish=yes

**Before analyzing the code below; one important formula to be cognizant of is that the billing amount was calculated by:*

The price of the product quantity of product purchased * (1-discount rate of the sale) * (1+tax rate by state).*

Below is the analyzed code:

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington Global Marketplace.xlsx'
```

```
out = Products
dbms = xlsx
replace
;
sheet = "Products";
run;
```

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global Marketplace.xlsx'
out = Customers
dbms = xlsx
replace
;
sheet = "Customers";
run;
```

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global Marketplace.xlsx'
out = Sales_Tax_By_State
dbms = xlsx
replace
;
sheet = "Sales_Tax_By_State";
run;
```

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global Marketplace.xlsx'
out = Sales_2014
dbms = xlsx
replace
;
sheet = "Sales_2014";
run;
```

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global Marketplace.xlsx'
out = Departments
dbms = xlsx
replace
;
sheet = "Departments";
run;
```

```

proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global Marketplace.xlsx'
out = Employee_Master
dbms = xlsx
replace
;
sheet = "Employee_Master";
run;

```

```

proc sql;
create table Work.DStates as
Select A.STID, A.State, A.State_CD, A.State_Tax_Rate,
B.Customer_Name,B.Cust_ID, B.State
From Work.Sales_tax_by_state A
Join Work.Customers B
On A.STID = B.State
;
quit;

```

```

proc sql;
create table Work.DProducts as
Select A.sale_id, A.product_id, A.date, A.discount,A.Quantity, A.Customer_ID,
B.ProdName,B.CostIn, B.PriceOut, B.eff, B.exp, B.prodID
From Work.Sales_2014 A
Join Work.Products B
On B.prodID = A.product_id
And A.date >= B.eff
And A.date <= B.exp
;
quit;

```

```

proc sql;
create table Work.CALL as
Select A.STID, A.State, A.State_CD, A.State_Tax_Rate,A.Customer_Name,A.Cust_ID,A.State,
B.sale_id, B.product_id, B.date, B.discount,B.Quantity, B.Customer_ID,
B.ProdName,B.CostIn, B.PriceOut, B.eff, B.exp, B.prodID
From Work.DStates A
Join Work.DProducts B
On A.Cust_ID = B.Customer_ID

```

```
;  
quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Alabama as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 1;
```

```
;  
quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Alaska as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 2;
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Arizona as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 3;
```

```
;  
quit;
```

```
Proc sql;

create table DoltForState_In_Arkansas as

SELECT *

From Work.CALL

Where STID = 4;
;
Quit;
```

```
Proc sql;

create table DoltForState_In_California as

SELECT *

From Work.CALL

Where STID = 5;
;
quit;
```

```
Proc sql;

create table DoltForState_In_Colorado as

SELECT *

From Work.CALL

Where STID = 6;
;
Quit;
```

```
Proc sql;

create table DoltForState_In_Connecticut as

SELECT *
```

From Work.CALL

Where STID = 7;

;

Quit;

Proc sql;

create table DoltForState_In_Delaware as

SELECT *

From Work.CALL

Where STID = 8;

;

Quit;

Proc sql;

create table DoltForState_In_Florida as

SELECT *

From Work.CALL

Where STID = 9;

;

Quit;

Proc sql;

create table DoltForState_In_Georgia as

SELECT *

From Work.CALL

Where STID = 10;

;

Quit;

Proc sql;

```
create table DoltForState_In_Hawaii as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 11;
```

```
;
```

```
quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Idaho as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 12;
```

```
;
```

```
quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Illinois as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 13;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Indiana as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 14;
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Iowa as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 15;
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Kansas as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 16;
```

```
;  
quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Kentucky as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 17;
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Louisiana as
```



```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 18;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Maine as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 19;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Maryland as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 20;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Massachusetts as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 21;  
;
```

Quit;

Proc sql;

create table DoltForState_In_Michigan as

SELECT *

From Work.CALL

Where STID = 22;

;

Quit;

Proc sql;

create table DoltForState_In_Minnesota as

SELECT *

From Work.CALL

Where STID = 23;

;

Quit;

Proc sql;

create table DoltForState_In_Mississippi as

SELECT *

From Work.CALL

Where STID = 24;

;

Quit;

Proc sql;

create table DoltForState_In_Missouri as

SELECT *

From Work.CALL

Where STID = 25;

;

Quit;

Proc sql;

create table DoltForState_In_Montana as

SELECT *

From Work.CALL

Where STID = 26;

;

Quit;

Proc sql;

create table DoltForState_In_Nebraska as

SELECT *

From Work.CALL

Where STID = 27;

;

Quit;

Proc sql;

create table DoltForState_In_Nevada as

SELECT *

From Work.CALL

Where STID = 28;

;

Quit;

Proc sql;

create table DoltForState_In_New_Hampshire as

SELECT *

From Work.CALL

Where STID = 29;

;

Quit;

Proc sql;

create table DoltForState_In_New_Jersey as

SELECT *

From Work.CALL

Where STID = 30;

;

Quit;

Proc sql;

create table DoltForState_In_New_Mexico as

SELECT *

From Work.CALL

Where STID = 31;

;

Quit;

Proc sql;

create table DoltForState_In_New_York as

SELECT *

From Work.CALL

```
Where STID = 32;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_North_Carolina as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 33;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_North_Dakota as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 34;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Ohio as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 35;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Oklahoma as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 36;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Oregon as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 37;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Pennsylvania as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 38;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Rhode_Island as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 39;
```

```
;
```

```
Quit;
```

Proc sql;

create table DoltForState_In_South_Carolina as

SELECT *

From Work.CALL

Where STID = 40;

;

Quit;

Proc sql;

create table DoltForState_In_South_Dakota as

SELECT *

From Work.CALL

Where STID = 41;

;

Quit;

Proc sql;

create table DoltForState_In_Tennessee as

SELECT *

From Work.CALL

Where STID = 42;

;

Quit;

Proc sql;

create table DoltForState_In_Texas as

SELECT *

From Work.CALL

```
Where STID = 43;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Utah as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 44;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Vermont as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 45;  
;  
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Virginia as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 46;  
;  
Quit;
```

```
Proc sql;
```



```
create table DoltForState_In_Washington as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 47;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_West_Virginia as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 48;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Wisconsin as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 49;
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_Wyoming as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 50;
```

```
;
Quit;
```

```
Proc sql;
```

```
create table DoltForState_In_DC as
```

```
SELECT *
```

```
From Work.CALL
```

```
Where STID = 51;
```

```
;
quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Alabama as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Alabama
```

```
;
quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Alaska as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Alaska
```

```
;
Quit;
```

Proc sql;

create table TotalSales_In_Arizona as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Arizona

;

quit;

Proc sql;

create table TotalSales_In_Arkansas as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Arkansas

;

Quit;

Proc sql;

create table TotalSales_In_California as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_California

;

quit;

Proc sql;

create table TotalSales_In_Colorado as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Colorado

;
Quit;

Proc sql;

create table TotalSales_In_Connecticut as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Connecticut

;
Quit;

Proc sql;

create table TotalSales_In_Delaware as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Delaware

;
Quit;

Proc sql;

create table TotalSales_In_Florida as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Florida

;
Quit;

Proc sql;

```
create table TotalSales_In_Georgia as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Georgia

;
Quit;
```

```
Proc sql;

create table TotalSales_In_Hawaii as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Hawaii

;
quit;
```

```
Proc sql;

create table TotalSales_In_Idaho as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Idaho

;
quit;
```

```
Proc sql;

create table TotalSales_In_Illinois as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Illinois
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Indiana as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Indiana
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Iowa as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Iowa
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Kansas as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work. DoltForState_In_Kansas
```

```
;
quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Kentucky as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Kentucky
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Louisiana as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work. DoltForState_In_Louisiana
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Maine as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Maine
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Maryland as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Maryland
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Massachusetts as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Massachusetts
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Michigan as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Michigan
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Minnesota as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Minnesota
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Mississippi as
```



```
SELECT sum(quantity) as Total_Sum_by_State_ID  
From Work.DoltForState_In_Mississippi
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Missouri as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID  
From Work. DoltForState_In_Missouri
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Montana as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID  
From Work.DoltForState_In_Montana
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Nebraska as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID  
From Work. DoltForState_In_Nebraska
```

```
;  
Quit;
```

Proc sql;

create table TotalSales_In_Nevada as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Nevada

;

Quit;

Proc sql;

create table TotalSales_In_New_Hampshire as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_New_Hampshire

;

Quit;

Proc sql;

create table TotalSales_In_New_Jersey as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_New_Jersey

;

Quit;

Proc sql;

create table TotalSales_In_New_Mexico as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_New_Mexico

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_New_York as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_New_York
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_North_Carolina as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work. DoltForState_In_North_Carolina
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_North_Dakota as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_North_Dakota
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Ohio as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Ohio
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Oklahoma as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Oklahoma
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Oregon as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Oregon
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Pennsylvania as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Pennsylvania
```

```
;
```

Quit;

Proc sql;

create table TotalSales_In_Rhode_Island as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Rhode_Island

;

Quit;

Proc sql;

create table TotalSales_In_South_Carolina as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_South_Carolina

;

Quit;

Proc sql;

create table TotalSales_In_South_Dakota as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_South_Dakota

;

Quit;

Proc sql;

create table TotalSales_In_Tennessee as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Tennessee

;
Quit;

Proc sql;

create table TotalSales_In_Texas as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Texas

;
Quit;

Proc sql;

create table TotalSales_In_Utah as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Utah

;
Quit;

Proc sql;

create table TotalSales_In_Vermont as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Vermont

;
Quit;

Proc sql;

create table TotalSales_In_Virginia as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Virginia

;

Quit;

Proc sql;

create table TotalSales_In_Washington as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_Washington

;

Quit;

Proc sql;

create table TotalSales_In_West_Virginia as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work.DoltForState_In_West_Virginia

;

Quit;

Proc sql;

create table TotalSales_In_Wisconsin as

SELECT sum(quantity) as Total_Sum_by_State_ID

From Work. DoltForState_In_Wisconsin

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_Wyoming as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_Wyoming
```

```
;
Quit;
```

```
Proc sql;
```

```
create table TotalSales_In_DC as
```

```
SELECT sum(quantity) as Total_Sum_by_State_ID
```

```
From Work.DoltForState_In_DC
```

```
;
quit;
```

```
data Work.Sum1_of_Sales_by_State_ID;
```

```
set TotalSales_In_Alabama TotalSales_In_Alaska TotalSales_In_Arizona
TotalSales_In_Arkansas TotalSales_In_California TotalSales_In_Colorado
TotalSales_In_Connecticut TotalSales_In_Delaware TotalSales_In_Florida
TotalSales_In_Georgia TotalSales_In_Hawaii TotalSales_In_Idaho TotalSales_In_Illinois
TotalSales_In_Indiana TotalSales_In_Iowa TotalSales_In_Kansas TotalSales_In_Kentucky
TotalSales_In_Louisiana TotalSales_In_Maine TotalSales_In_Maryland
TotalSales_In_Massachusetts TotalSales_In_Michigan TotalSales_In_Minnesota
TotalSales_In_Mississippi TotalSales_In_Missouri TotalSales_In_Montana
TotalSales_In_Nebraska TotalSales_In_Nevada TotalSales_In_New_Hampshire
TotalSales_In_New_Jersey TotalSales_In_New_Mexico TotalSales_In_New_York
TotalSales_In_North_Carolina TotalSales_In_North_Dakota TotalSales_In_Ohio
TotalSales_In_Oklahoma TotalSales_In_Oregon TotalSales_In_Pennsylvania
TotalSales_In_Rhode_Island TotalSales_In_South_Carolina TotalSales_In_South_Dakota
TotalSales_In_Tennessee TotalSales_In_Texas TotalSales_In_Utah TotalSales_In_Vermont
```



```
TotalSales_In_Virginia TotalSales_In_Washington TotalSales_In_West_Virginia  
TotalSales_In_Wisconsin TotalSales_In_Wyoming TotalSales_In_DC;  
run;
```

```
Proc sql;
```

```
create table Billing_In_Alabama as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
```

```
FROM DoltForState_In_Alabama
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Alabama as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Alabama
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Alaska as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
```

```
FROM DoltForState_In_Alaska
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Alaska as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Alaska
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Arizona as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
```

```
FROM DoltForState_In_Arizona
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Arizona as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Arizona
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Arkansas as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM  
DoltForState_In_Arkansas
```

```
;
```

Quit;
Proc sql;

create table TotalBilling_In_Arkansas as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Arkansas

;
Quit;

Proc sql;

create table Billing_In_California as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM
DoltForState_In_California

;
Quit;
Proc sql;

create table TotalBilling_In_California as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_California

;
Quit;

Proc sql;

create table Billing_In_Colorado as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM
DoltForState_In_Colorado

```
;
Quit;
Proc sql;
```

```
create table TotalBilling_In_Colorado as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Colorado
```

```
;
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Connecticut as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM  
DoltForState_In_Connecticut
```

```
;
Quit;
Proc sql;
```

```
create table TotalBilling_In_Connecticut as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Connecticut
```

```
;
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Delaware as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM  
DoltForState_In_Delaware
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Delaware as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Delaware
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Florida as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Florida
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Florida as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Florida
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Georgia as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Georgia
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Georgia as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Georgia
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Hawaii as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Hawaii
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Hawaii as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Hawaii
```

```
;
```

```
Quit;
```

Proc sql;

create table Billing_In_Idaho as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Idaho

;

Quit;

Proc sql;

create table TotalBilling_In_Idaho as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Idaho

;

Quit;

Proc sql;

create table Billing_In_Illinois as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Illinois

;

Quit;

Proc sql;

create table TotalBilling_In_Illinois as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Illinois

;

Quit;

Proc sql;

create table Billing_In_Indiana as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Indiana

;

Quit;

Proc sql;

create table TotalBilling_In_Indiana as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Indiana

;

Quit;

Proc sql;

create table Billing_In_Iowa as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Iowa

;

Quit;

Proc sql;

create table TotalBilling_In_Iowa as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Iowa

;

Quit;

Proc sql;

create table Billing_In_Kansas as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Kansas

;

Quit;

Proc sql;

create table TotalBilling_In_Kansas as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Kansas

;

Quit;

Proc sql;

create table Billing_In_Kentucky as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Kentucky

;

Quit;

Proc sql;

create table TotalBilling_In_Kentucky as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Kentucky

;

Quit;

Proc sql;

create table Billing_In_Louisiana as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Louisiana

;

Quit;

Proc sql;

create table TotalBilling_In_Louisiana as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Louisiana

;

Quit;

Proc sql;

create table Billing_In_Maine as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Maine

;

Quit;

Proc sql;

create table TotalBilling_In_Maine as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Maine

;

Quit;

Proc sql;

create table Billing_In_Maryland as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Maryland

;

Quit;

Proc sql;

create table TotalBilling_In_Maryland as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Maryland

;

Quit;

Proc sql;

create table Billing_In_Massachusetts as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Massachusetts

;

Quit;

Proc sql;

create table TotalBilling_In_Massachusetts as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Massachusetts

;

Quit;

Proc sql;

create table Billing_In_Michigan as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Michigan

;

Quit;

Proc sql;

create table TotalBilling_In_Michigan as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Michigan

;

Quit;

Proc sql;

create table Billing_In_Minnesota as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Minnesota

;

Quit;

Proc sql;

create table TotalBilling_In_Minnesota as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Minnesota

;

Quit;

Proc sql;

create table Billing_In_Mississippi as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Mississippi

;

Quit;

Proc sql;

create table TotalBilling_In_Mississippi as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Mississippi

;

Quit;

Proc sql;

create table Billing_In_Missouri as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Missouri

;

Quit;

Proc sql;

create table TotalBilling_In_Missouri as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Missouri

;

Quit;

Proc sql;

create table Billing_In_Montana as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Montana

;

Quit;

Proc sql;

create table TotalBilling_In_Montana as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Montana

;

Quit;

Proc sql;

create table Billing_In_Nebraska as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Nebraska

;

Quit;

Proc sql;

```
create table TotalBilling_In_Nebraska as

SELECT  sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Nebraska

;
Quit;
```

Proc sql;

```
create table Billing_In_Nevada as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_Nevada

;
Quit;
Proc sql;
```

```
create table TotalBilling_In_Nevada as

SELECT  sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Nevada

;
Quit;
```

Proc sql;

```
create table Billing_In_New_Hampshire as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_New_Hampshire

;
Quit;
```

Proc sql;

create table TotalBilling_In_New_Hampshire as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_New_Hampshire

;

Quit;

Proc sql;

create table Billing_In_New_Jersey as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_New_Jersey

;

Quit;

Proc sql;

create table TotalBilling_In_New_Jersey as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_New_Jersey

;

Quit;

Proc sql;

create table Billing_In_New_Mexico as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_New_Mexico

;

Quit;

Proc sql;

create table TotalBilling_In_New_Mexico as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_New_Mexico

;

Quit;

Proc sql;

create table Billing_In_New_York as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_New_York

;

Quit;

Proc sql;

create table TotalBilling_In_New_York as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_New_York

;

Quit;

Proc sql;

create table Billing_In_North_Carolina as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_North_Carolina

;

```
Quit;  
Proc sql;
```

```
create table TotalBilling_In_North_Carolina as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_North_Carolina
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_North_Dakota as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_North_Dakota
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_North_Dakota as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_North_Dakota
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Ohio as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Ohio
```

```
;
```

```
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Ohio as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Ohio
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Oklahoma as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Oklahoma
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Oklahoma as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Oklahoma
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Oregon as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Oregon
```

```
;
```

```
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Oregon as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Oregon
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Pennsylvania as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Pennsylvania
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_Pennsylvania as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Pennsylvania
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Rhode_Island as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Rhode_Island
```

```
;
```

Quit;
Proc sql;

create table TotalBilling_In_Rhode_Island as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Rhode_Island

;
Quit;

Proc sql;

create table Billing_In_South_Carolina as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
FROM DoltForState_In_South_Carolina

;
Quit;
Proc sql;

create table TotalBilling_In_South_Carolina as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_South_Carolina

;
Quit;

Proc sql;

create table Billing_In_South_Dakota as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

```
FROM DoltForState_In_South_Dakota
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_South_Dakota as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Billing_In_South_Dakota
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Tennessee as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
```

```
FROM DoltForState_In_Tennessee
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Tennessee as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Tennessee
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Texas as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Texas
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Texas as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Texas
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Utah as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Utah
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Utah as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Utah
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Vermont as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Vermont
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Vermont as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Vermont
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Virginia as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Virginia
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Virginia as
```



```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Virginia
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_Washington as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_Washington
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Washington as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Washington
```

```
;
```

```
Quit;
```

```
Proc sql;
```

```
create table Billing_In_West_Virginia as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)  
FROM DoltForState_In_West_Virginia
```

```
;
```

```
Quit;
```

Proc sql;

create table TotalBilling_In_West_Virginia as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_West_Virginia

;

Quit;

Proc sql;

create table Billing_In_Wisconsin as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_Wisconsin

;

Quit;

Proc sql;

create table TotalBilling_In_Wisconsin as

SELECT sum(_TEMA001) as TotalBilling_BY_StateID

From Work.Billing_In_Wisconsin

;

Quit;

Proc sql;

create table Billing_In_Wyoming as

SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

FROM DoltForState_In_Wyoming

```
;  
Quit;
```

```
Proc sql;
```

```
create table TotalBilling_In_Wyoming as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_Wyoming
```

```
;  
Quit;
```

```
Proc sql;
```

```
create table Billing_In_DC as
```

```
SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
```

```
FROM DoltForState_In_DC
```

```
;  
Quit;  
Proc sql;
```

```
create table TotalBilling_In_DC as
```

```
SELECT sum(_TEMA001) as TotalBilling_BY_StateID
```

```
From Work.Billing_In_DC
```

```
;  
Quit;
```

```
data Work.S_of_Billing_by_State_ID;
```

```
set TotalBilling_In_Alabama TotalBilling_In_Alaska TotalBilling_In_Arizona  
TotalBilling_In_Arkansas TotalBilling_In_California TotalBilling_In_Colorado  
TotalBilling_In_Connecticut TotalBilling_In_Delaware TotalBilling_In_Florida  
TotalBilling_In_Georgia TotalBilling_In_Hawaii TotalBilling_In_Idaho TotalBilling_In_Illinois  
TotalBilling_In_Indiana TotalBilling_In_Iowa TotalBilling_In_Kansas TotalBilling_In_Kentucky  
TotalBilling_In_Louisiana TotalBilling_In_Maine TotalBilling_In_Maryland  
TotalBilling_In_Massachusetts TotalBilling_In_Michigan TotalBilling_In_Minnesota  
TotalBilling_In_Mississippi TotalBilling_In_Missouri TotalBilling_In_Montana  
TotalBilling_In_Nebraska TotalBilling_In_Nevada TotalBilling_In_New_Hampshire  
TotalBilling_In_New_Jersey TotalBilling_In_New_Mexico TotalBilling_In_New_York  
TotalBilling_In_North_Carolina TotalBilling_In_North_Dakota TotalBilling_In_Ohio  
TotalBilling_In_Oklahoma TotalBilling_In_Oregon TotalBilling_In_Pennsylvania  
TotalBilling_In_Rhode_Island TotalBilling_In_South_Carolina TotalBilling_In_South_Dakota  
TotalBilling_In_Tennessee TotalBilling_In_Texas TotalBilling_In_Utah TotalBilling_In_Vermont  
TotalBilling_In_Virginia TotalBilling_In_Washington TotalBilling_In_West_Virginia  
TotalBilling_In_Wisconsin TotalBilling_In_Wyoming TotalBilling_In_DC;  
run;
```

```
proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\States.xlsx'  
  out = Sheet1  
  dbms = xlsx  
  replace  
  ;  
  sheet = "Sheet1";  
run;
```

```
data Work.Billing_Sum_by_State_In_Dollars;
```

```
merge Work.S_of_Billing_by_State_ID Work.Sheet1;  
run;
```

```
data Work.Quantity_of_Sales_by_State;
```

```
merge Work.Sum1_of_Sales_by_State_ID Work.Sheet1;  
run;
```

Below is the log computed as a result of the code above. I accidentally printed this twice:

NOTE: Copyright (c) 2016 by SAS Institute Inc., Cary, NC, USA.

NOTE: SAS (r) Proprietary Software 9.4 (TS1M7)

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NOTE: This session is executing on the X64_DSRV19 platform.

NOTE: Analytical products:

SAS/STAT 15.2

SAS/ETS 15.2

SAS/OR 15.2

SAS/IML 15.2

SAS/QC 15.2

NOTE: Additional host information:

X64_DSRV19 WIN 10.0.17763 Server

NOTE: SAS initialization used:

real time 5.86 seconds

cpu time 1.20 seconds

```
1 proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global
```

```
1 ! Marketplace.xlsx'
```

```
2 out = Products
```

```
3 dbms = xlsx
```

```
4 replace
```

```
5 ;
```

```
6 sheet = "Products";
```

```
7 run;
```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 52 observations and 6 variables.

NOTE: WORK.PRODUCTS data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time 0.26 seconds

cpu time 0.06 seconds

```
8
9   proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global
9 ! Marketplace.xlsx'
10   out = Customers
11   dbms = xlsx
12   replace
13   ;
14   sheet = "Customers";
15   run;
```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 200 observations and 3 variables.

NOTE: WORK.CUSTOMERS data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time 0.05 seconds
cpu time 0.04 seconds

```
16
17   proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global
17 ! Marketplace.xlsx'
18   out = Sales_Tax_By_State
19   dbms = xlsx
20   replace
21   ;
22   sheet = "Sales_Tax_By_State";
23   run;
```

NOTE: Variable Name Change. State Tax Rate -> State_Tax_Rate

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 51 observations and 4 variables.

NOTE: WORK.SALES_TAX_BY_STATE data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time 0.04 seconds
cpu time 0.03 seconds

```

24
25   proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global
25 ! Marketplace.xlsx'
26   out = Sales_2014
27   dbms = xlsx
28   replace
29   ;
30   sheet = "Sales_2014";
31   run;

```

NOTE: The import data set has 55462 observations and 7 variables.

NOTE: WORK.SALES_2014 data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	3.88 seconds
cpu time	3.82 seconds

```

32
33   proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global
33 ! Marketplace.xlsx'
34   out = Departments
35   dbms = xlsx
36   replace
37   ;
38   sheet = "Departments";
39   run;

```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 9 observations and 3 variables.

NOTE: WORK.DEPARTMENTS data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.04 seconds
cpu time	0.03 seconds

```

40
41   proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\Wellington
Global

```

```
41 ! Marketplace.xlsx'
42 out = Employee_Master
43 dbms = xlsx
44 replace
45 ;
46 sheet = "Employee_Master";
47 run;
```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 40 observations and 8 variables.

NOTE: WORK.EMPLOYEE_MASTER data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.05 seconds
cpu time	0.03 seconds

```
48
49 proc sql;
50 create table Work.DStates as
51 Select A.STID, A.State, A.State_CD, A.State_Tax_Rate,
52 B.Customer_Name,B.Cust_ID, B.State
53 From Work.Sales_tax_by_state A
54 Join Work.Customers B
55 On A.STID = B.State
56 ;
```

WARNING: Variable State already exists on file WORK.DSTATES.

NOTE: Table WORK.DSTATES created, with 200 rows and 6 columns.

```
57 quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.26 seconds
cpu time	0.06 seconds

```
58
59 proc sql;
60 create table Work.DProducts as
61 Select A.sale_id, A.product_id, A.date, A.discount,A.Quantity, A.Customer_ID,
62 B.ProdName,B.CostIn, B.PriceOut, B.eff, B.exp, B.prodID
63 From Work.Sales_2014 A
64 Join Work.Products B
65 On B.prodID = A.product_id
```



```
66 And A.date >= B.eff
67 And A.date <= B.exp
68 ;
```

NOTE: Table WORK.DPRODUCTS created, with 55467 rows and 12 columns.

```
69 quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.05 seconds
cpu time	0.04 seconds

```
70
```

```
71
```

```
72
```

```
73
```

```
74
```

```
75
```

```
76 proc sql;
```

```
77 create table Work.CALL as
```

```
78 Select A.STID, A.State, A.State_CD,
```

```
A.State_Tax_Rate,A.Customer_Name,A.Cust_ID,A.State,
```

```
79 B.sale_id, B.product_id, B.date, B.discount,B.Quantity, B.Customer_ID,
```

```
80 B.ProdName,B.CostIn, B.PriceOut, B.eff, B.exp, B.prodID
```

```
81 From Work.DStates A
```

```
82 Join Work.DProducts B
```

```
83 On A.Cust_ID = B.Customer_ID
```

```
84 ;
```

WARNING: Variable State already exists on file WORK.CALL.

NOTE: Table WORK.CALL created, with 55467 rows and 18 columns.

```
85 quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.04 seconds
cpu time	0.04 seconds

```
86
```

```
87
```

```
88
```

```
89
```

```
90 Proc sql;
```

```
91
```

```
92 create table DoltForState_In_Alabama as
```

```
93
```

94 SELECT *

95

96 From Work.CALL

97

98 Where STID = 1;

NOTE: Table WORK.DOITFORSTATE_IN_ALABAMA created, with 753 rows and 18 columns.

99 ;

100 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

101

102 Proc sql;

103

104 create table DoltForState_In_Alaska as

105

106 SELECT *

107

108 From Work.CALL

109

110 Where STID = 2;

NOTE: Table WORK.DOITFORSTATE_IN_ALASKA created, with 836 rows and 18 columns.

111 ;

112 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

113

114

115

116 Proc sql;

117

118 create table DoltForState_In_Arizona as

119

120 SELECT *

121

122 From Work.CALL

123

124 Where STID = 3;

NOTE: Table WORK.DOITFORSTATE_IN_ARIZONA created, with 272 rows and 18 columns.

125 ;

126 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

127

128 Proc sql;

129

130 create table DoltForState_In_Arkansas as

131

132 SELECT *

133

134 From Work.CALL

135

136 Where STID = 4;

NOTE: Table WORK.DOITFORSTATE_IN_ARKANSAS created, with 1334 rows and 18 columns.

137 ;

138 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

139

140

141

142 Proc sql;

143

144 create table DoltForState_In_California as

145

146 SELECT *

147

148 From Work.CALL

149

150 Where STID = 5;

NOTE: Table WORK.DOITFORSTATE_IN_CALIFORNIA created, with 1660 rows and 18 columns.

151 ;
152 quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

153
154 Proc sql;
155
156 create table DoltForState_In_Colorado as
157
158 SELECT *
159
160 From Work.CALL
161
162 Where STID = 6;

NOTE: Table WORK.DOITFORSTATE_IN_COLORADO created, with 1403 rows and 18 columns.

163 ;
164 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.01 seconds

165
166 Proc sql;
167
168 create table DoltForState_In_Connecticut as
169
170 SELECT *
171
172 From Work.CALL
173
174 Where STID = 7;

NOTE: Table WORK.DOITFORSTATE_IN_CONNECTICUT created, with 831 rows and 18 columns.

175 ;
176 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds
cpu time 0.03 seconds

```
177
178 Proc sql;
179
180 create table DoltForState_In_Delaware as
181
182 SELECT *
183
184 From Work.CALL
185
186 Where STID = 8;
```

NOTE: Table WORK.DOITFORSTATE_IN_DELAWARE created, with 1644 rows and 18 columns.

```
187 ;
188 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time 0.02 seconds
cpu time 0.03 seconds

```
189
190 Proc sql;
191
192 create table DoltForState_In_Florida as
193
194 SELECT *
195
196 From Work.CALL
197
198 Where STID = 9;
```

NOTE: Table WORK.DOITFORSTATE_IN_FLORIDA created, with 1101 rows and 18 columns.

```
199 ;
200 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time 0.02 seconds
cpu time 0.03 seconds

201

```
202 Proc sql;
203
204 create table DoltForState_In_Georgia as
205
206 SELECT *
207
208 From Work.CALL
209
210 Where STID = 10;
```

NOTE: Table WORK.DOITFORSTATE_IN_GEORGIA created, with 860 rows and 18 columns.

```
211 ;
212 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.01 seconds
```

```
213
214 Proc sql;
215
216 create table DoltForState_In_Hawaii as
217
218 SELECT *
219
220 From Work.CALL
221
222 Where STID = 11;
```

NOTE: Table WORK.DOITFORSTATE_IN_HAWAII created, with 1105 rows and 18 columns.

```
223 ;
224 quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
225
226
227 Proc sql;
228
229 create table DoltForState_In_Idaho as
230
231 SELECT *
```

232
233 From Work.CALL
234
235 Where STID = 12;
NOTE: Table WORK.DOITFORSTATE_IN_IDAHO created, with 547 rows and 18 columns.

236 ;
237 quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.02 seconds
 cpu time 0.03 seconds

238
239 Proc sql;
240
241 create table DoltForState_In_Illinois as
242
243 SELECT *
244
245 From Work.CALL
246
247 Where STID = 13;
NOTE: Table WORK.DOITFORSTATE_IN_ILINOIS created, with 576 rows and 18 columns.

248 ;
249 Quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.02 seconds
 cpu time 0.03 seconds

250
251 Proc sql;
252
253 create table DoltForState_In_Indiana as
254
255 SELECT *
256
257 From Work.CALL
258
259 Where STID = 14;
NOTE: Table WORK.DOITFORSTATE_IN_INDIANA created, with 2738 rows and 18 columns.

260 ;
261 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

262
263 Proc sql;
264
265 create table DoltForState_In_Iowa as
266
267 SELECT *
268
269 From Work.CALL
270
271 Where STID = 15;

NOTE: Table WORK.DOITFORSTATE_IN_IOWA created, with 1435 rows and 18 columns.

272 ;
273 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

274
275 Proc sql;
276
277 create table DoltForState_In_Kansas as
278
279 SELECT *
280
281 From Work.CALL
282
283 Where STID = 16;

NOTE: Table WORK.DOITFORSTATE_IN_KANSAS created, with 1916 rows and 18 columns.

284 ;
285 quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds


```
286
287
288 Proc sql;
289
290 create table DoltForState_In_Kentucky as
291
292 SELECT *
293
294 From Work.CALL
295
296 Where STID = 17;
```

NOTE: Table WORK.DOITFORSTATE_IN_KENTUCKY created, with 547 rows and 18 columns.

```
297 ;
298 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
299
300
301 Proc sql;
302
303 create table DoltForState_In_Louisiana as
304
305 SELECT *
306
307 From Work.CALL
308
309 Where STID = 18;
```

NOTE: Table WORK.DOITFORSTATE_IN_LOUISIANA created, with 766 rows and 18 columns.

```
310 ;
311 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.01 seconds
```

```
312
313
314 Proc sql;
```

```
315
316 create table DoltForState_In_Maine as
317
318 SELECT *
319
320 From Work.CALL
321
322 Where STID = 19;
```

NOTE: Table WORK.DOITFORSTATE_IN_MAINE created, with 2211 rows and 18 columns.

```
323 ;
324 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
325
326 Proc sql;
327
328 create table DoltForState_In_Maryland as
329
330 SELECT *
331
332 From Work.CALL
333
334 Where STID = 20;
```

NOTE: Table WORK.DOITFORSTATE_IN_MARYLAND created, with 552 rows and 18 columns.

```
335 ;
336 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
337
338 Proc sql;
339
340 create table DoltForState_In_Massachusetts as
341
342 SELECT *
343
344 From Work.CALL
```

345

346 Where STID = 21;

NOTE: Table WORK.DOITFORSTATE_IN_MASSACHUSETTS created, with 541 rows and 18 columns.

347 ;

348 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
-----------	--------------

cpu time	0.03 seconds
----------	--------------

349

350

351 Proc sql;

352

353 create table DoltForState_In_Michigan as

354

355 SELECT *

356

357 From Work.CALL

358

359 Where STID = 22;

NOTE: Table WORK.DOITFORSTATE_IN_MICHIGAN created, with 2774 rows and 18 columns.

360 ;

361 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
-----------	--------------

cpu time	0.03 seconds
----------	--------------

362

363 Proc sql;

364

365 create table DoltForState_In_Minnesota as

366

367 SELECT *

368

369 From Work.CALL

370

371 Where STID = 23;

NOTE: Table WORK.DOITFORSTATE_IN_MINNESOTA created, with 535 rows and 18 columns.

372 ;

373 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

374

375 Proc sql;

376

377 create table DoltForState_In_Mississippi as

378

379 SELECT *

380

381 From Work.CALL

382

383 Where STID = 24;

NOTE: Table WORK.DOITFORSTATE_IN_MISSISSIPPI created, with 524 rows and 18 columns.

384 ;

385 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

386

387 Proc sql;

388

389 create table DoltForState_In_Missouri as

390

391 SELECT *

392

393 From Work.CALL

394

395 Where STID = 25;

NOTE: Table WORK.DOITFORSTATE_IN_MISSOURI created, with 1707 rows and 18 columns.

396 ;

397 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.03 seconds

cpu time 0.01 seconds

398

399 Proc sql;

400

401 create table DoltForState_In_Montana as

402

403 SELECT *

404

405 From Work.CALL

406

407 Where STID = 26;

NOTE: Table WORK.DOITFORSTATE_IN_MONTANA created, with 847 rows and 18 columns.

408 ;

409 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

410

411 Proc sql;

412

413 create table DoltForState_In_Nebraska as

414

415 SELECT *

416

417 From Work.CALL

418

419 Where STID = 27;

NOTE: Table WORK.DOITFORSTATE_IN_NEBRASKA created, with 872 rows and 18 columns.

420 ;

421 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.15 seconds

cpu time 0.03 seconds

422

423 Proc sql;

424

425 create table DoltForState_In_Nevada as

426

427 SELECT *

428

429 From Work.CALL

430

431 Where STID = 28;

NOTE: Table WORK.DOITFORSTATE_IN_NEVADA created, with 1692 rows and 18 columns.

432 ;

433 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.01 seconds

434

435

436 Proc sql;

437

438 create table DoltForState_In_New_Hampshire as

439

440 SELECT *

441

442 From Work.CALL

443

444 Where STID = 29;

NOTE: Table WORK.DOITFORSTATE_IN_NEW_HAMPSHIRE created, with 290 rows and 18 columns.

445 ;

446 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.01 seconds

447

448 Proc sql;

449

450 create table DoltForState_In_New_Jersey as

451

452 SELECT *

453

454 From Work.CALL

455

456 Where STID = 30;

NOTE: Table WORK.DOITFORSTATE_IN_NEW_JERSEY created, with 574 rows and 18 columns.

457 ;

458 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.05 seconds
-----------	--------------

cpu time	0.03 seconds
----------	--------------

459

460 Proc sql;

461

462 create table DoltForState_In_New_Mexico as

463

464 SELECT *

465

466 From Work.CALL

467

468 Where STID = 31;

NOTE: Table WORK.DOITFORSTATE_IN_NEW_MEXICO created, with 1147 rows and 18 columns.

469 ;

470 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

471

472 Proc sql;

473

474 create table DoltForState_In_New_York as

475

476 SELECT *

477

478 From Work.CALL

479

480 Where STID = 32;

NOTE: Table WORK.DOITFORSTATE_IN_NEW_YORK created, with 840 rows and 18 columns.

481 ;

482 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

483

484 Proc sql;

485

486 create table DoltForState_In_North_Carolina as

487

488 SELECT *

489

490 From Work.CALL

491

492 Where STID = 33;

NOTE: Table WORK.DOITFORSTATE_IN_NORTH_CAROLINA created, with 1359 rows and 18 columns.

493 ;

494 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

495

496 Proc sql;

497

498 create table DoltForState_In_North_Dakota as

499

500 SELECT *

501

502 From Work.CALL

503

504 Where STID = 34;

NOTE: Table WORK.DOITFORSTATE_IN_NORTH_DAKOTA created, with 574 rows and 18 columns.

505 ;

506 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

507

508 Proc sql;

509

510 create table DoltForState_In_Ohio as

511

512 SELECT *

513

514 From Work.CALL

515

516 Where STID = 35;

NOTE: Table WORK.DOITFORSTATE_IN_OHIO created, with 271 rows and 18 columns.

517 ;

518 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.01 seconds

519

520 Proc sql;

521

522 create table DoltForState_In_Oklahoma as

523

524 SELECT *

525

526 From Work.CALL

527

528 Where STID = 36;

NOTE: Table WORK.DOITFORSTATE_IN_OKLAHOMA created, with 1446 rows and 18 columns.

529 ;

530 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

```
531
532
533 Proc sql;
534
535 create table DoltForState_In_Oregon as
536
537 SELECT *
538
539 From Work.CALL
540
541 Where STID = 37;
```

NOTE: Table WORK.DOITFORSTATE_IN_OREGON created, with 1081 rows and 18 columns.

```
542 ;
543 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
544
545 Proc sql;
546
547 create table DoltForState_In_Pennsylvania as
548
549 SELECT *
550
551 From Work.CALL
552
553 Where STID = 38;
```

NOTE: Table WORK.DOITFORSTATE_IN_PENNSYLVANIA created, with 1128 rows and 18 columns.

```
554 ;
555 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.01 seconds
```

```
556
557 Proc sql;
558
```

559 create table DoltForState_In_Rhode_Island as

560

561 SELECT *

562

563 From Work.CALL

564

565 Where STID = 39;

NOTE: Table WORK.DOITFORSTATE_IN_RHODE_ISLAND created, with 1412 rows and 18 columns.

566 ;

567 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.01 seconds

568

569 Proc sql;

570

571 create table DoltForState_In_South_Carolina as

572

573 SELECT *

574

575 From Work.CALL

576

577 Where STID = 40;

NOTE: Table WORK.DOITFORSTATE_IN_SOUTH_CAROLINA created, with 2246 rows and 18 columns.

578 ;

579 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.00 seconds

580

581 Proc sql;

582

583 create table DoltForState_In_South_Dakota as

584

585 SELECT *

586

587 From Work.CALL

588

589 Where STID = 41;

NOTE: Table WORK.DOITFORSTATE_IN_SOUTH_DAKOTA created, with 267 rows and 18 columns.

590 ;

591 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.03 seconds

592

593 Proc sql;

594

595 create table DoltForState_In_Tennessee as

596

597 SELECT *

598

599 From Work.CALL

600

601 Where STID = 42;

NOTE: Table WORK.DOITFORSTATE_IN_TENNESSEE created, with 1087 rows and 18 columns.

602 ;

603 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

604

605 Proc sql;

606

607 create table DoltForState_In_Texas as

608

609 SELECT *

610

611 From Work.CALL

612

613 Where STID = 43;

NOTE: Table WORK.DOITFORSTATE_IN_TEXAS created, with 255 rows and 18 columns.

614 ;
615 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.01 seconds

616
617
618 Proc sql;
619
620 create table DoltForState_In_Utah as
621
622 SELECT *
623
624 From Work.CALL
625
626 Where STID = 44;

NOTE: Table WORK.DOITFORSTATE_IN_UTAH created, with 1076 rows and 18 columns.

627 ;
628 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.03 seconds

629
630 Proc sql;
631
632 create table DoltForState_In_Vermont as
633
634 SELECT *
635
636 From Work.CALL
637
638 Where STID = 45;

NOTE: Table WORK.DOITFORSTATE_IN_VERMONT created, with 1112 rows and 18 columns.

639 ;
640 Quit;
NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
-----------	--------------

cpu time 0.01 seconds

```
641
642
643 Proc sql;
644
645 create table DoltForState_In_Virginia as
646
647 SELECT *
648
649 From Work.CALL
650
651 Where STID = 46;
```

NOTE: Table WORK.DOITFORSTATE_IN_VIRGINIA created, with 1174 rows and 18 columns.

```
652 ;
653 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time        0.02 seconds
      cpu time        0.03 seconds
```

```
654
655 Proc sql;
656
657 create table DoltForState_In_Washington as
658
659 SELECT *
660
661 From Work.CALL
662
663 Where STID = 47;
```

NOTE: Table WORK.DOITFORSTATE_IN_WASHINGTON created, with 1937 rows and 18 columns.

```
664 ;
665 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time        0.02 seconds
      cpu time        0.03 seconds
```

```
666
```

```
667 Proc sql;
668
669 create table DoltForState_In_West_Virginia as
670
671 SELECT *
672
673 From Work.CALL
674
675 Where STID = 48;
```

NOTE: Table WORK.DOITFORSTATE_IN_WEST_VIRGINIA created, with 836 rows and 18 columns.

```
676 ;
677 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.03 seconds
```

```
678
679 Proc sql;
680
681 create table DoltForState_In_Wisconsin as
682
683 SELECT *
684
685 From Work.CALL
686
687 Where STID = 49;
```

NOTE: Table WORK.DOITFORSTATE_IN_WISCONSIN created, with 841 rows and 18 columns.

```
688 ;
689 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.02 seconds
      cpu time       0.01 seconds
```

```
690
691 Proc sql;
692
693 create table DoltForState_In_Wyoming as
694
```

695 SELECT *

696

697 From Work.CALL

698

699 Where STID = 50;

NOTE: Table WORK.DOITFORSTATE_IN_WYOMING created, with 1400 rows and 18 columns.

700 ;

701 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.01 seconds

702

703 Proc sql;

704

705 create table DoltForState_In_DC as

706

707 SELECT *

708

709 From Work.CALL

710

711 Where STID = 51;

NOTE: Table WORK.DOITFORSTATE_IN_DC created, with 535 rows and 18 columns.

712 ;

713 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.00 seconds

714

715

716

717

718

719 Proc sql;

720

721 create table TotalSales_In_Alabama as

722

723 SELECT sum(quantity) as Total_Sum_by_State_ID

724

725 From Work.DoltForState_In_Alabama

726

727

728 ;

NOTE: Table WORK.TOTALSALES_IN_ALABAMA created, with 1 rows and 1 columns.

729 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

730

731 Proc sql;

732

733 create table TotalSales_In_Alaska as

734

735 SELECT sum(quantity) as Total_Sum_by_State_ID

736

737 From Work.DoltForState_In_Alaska

738

739

740 ;

NOTE: Table WORK.TOTALSALES_IN_ALASKA created, with 1 rows and 1 columns.

741 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

742

743

744

745 Proc sql;

746

747 create table TotalSales_In_Arizona as

748

749 SELECT sum(quantity) as Total_Sum_by_State_ID

750

751 From Work.DoltForState_In_Arizona

752

753

754 ;

NOTE: Table WORK.TOTALSALES_IN_ARIZONA created, with 1 rows and 1 columns.

755 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

756

757 Proc sql;

758

759 create table TotalSales_In_Arkansas as

760

761 SELECT sum(quantity) as Total_Sum_by_State_ID

762

763 From Work.DoltForState_In_Arkansas

764

765

766 ;

NOTE: Table WORK.TOTALSALES_IN_ARKANSAS created, with 1 rows and 1 columns.

767 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

768

769

770

771 Proc sql;

772

773 create table TotalSales_In_California as

774

775 SELECT sum(quantity) as Total_Sum_by_State_ID

776

777 From Work.DoltForState_In_California

778

779

780 ;

NOTE: Table WORK.TOTALSALES_IN_CALIFORNIA created, with 1 rows and 1 columns.

781 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
782
783 Proc sql;
784
785 create table TotalSales_In_Colorado as
786
787 SELECT sum(quantity) as Total_Sum_by_State_ID
788
789 From Work.DoltForState_In_Colorado
790
791
792 ;
```

NOTE: Table WORK.TOTALSALES_IN_COLORADO created, with 1 rows and 1 columns.

```
793 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
794
795 Proc sql;
796
797 create table TotalSales_In_Connecticut as
798
799 SELECT sum(quantity) as Total_Sum_by_State_ID
800
801 From Work.DoltForState_In_Connecticut
802
803
804 ;
```

NOTE: Table WORK.TOTALSALES_IN_CONNECTICUT created, with 1 rows and 1 columns.

```
805 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
806
807 Proc sql;
```

```
808
809 create table TotalSales_In_Delaware as
810
811 SELECT sum(quantity) as Total_Sum_by_State_ID
812
813 From Work.DoltForState_In_Delaware
814
815
816 ;
NOTE: Table WORK.TOTALSALES_IN_DELAWARE created, with 1 rows and 1 columns.
```

```
817 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
818
819 Proc sql;
820
821 create table TotalSales_In_Florida as
822
823 SELECT sum(quantity) as Total_Sum_by_State_ID
824
825 From Work.DoltForState_In_Florida
826
827
828 ;
NOTE: Table WORK.TOTALSALES_IN_FLORIDA created, with 1 rows and 1 columns.
```

```
829 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
830
831 Proc sql;
832
833 create table TotalSales_In_Georgia as
834
835 SELECT sum(quantity) as Total_Sum_by_State_ID
836
837 From Work.DoltForState_In_Georgia
```

838

839

840 ;

NOTE: Table WORK.TOTALSALES_IN_GEORGIA created, with 1 rows and 1 columns.

841 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

842

843 Proc sql;

844

845 create table TotalSales_In_Hawaii as

846

847 SELECT sum(quantity) as Total_Sum_by_State_ID

848

849 From Work.DoltForState_In_Hawaii

850

851

852 ;

NOTE: Table WORK.TOTALSALES_IN_HAWAII created, with 1 rows and 1 columns.

853 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

854

855

856 Proc sql;

857

858 create table TotalSales_In_Idaho as

859

860 SELECT sum(quantity) as Total_Sum_by_State_ID

861

862 From Work.DoltForState_In_Idaho

863

864

865 ;

NOTE: Table WORK.TOTALSALES_IN_IDAHO created, with 1 rows and 1 columns.

866 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

867

868 Proc sql;

869

870 create table TotalSales_In_Illinois as

871

872 SELECT sum(quantity) as Total_Sum_by_State_ID

873

874 From Work.DoltForState_In_Illinois

875

876

877 ;

NOTE: Table WORK.TOTALSALES_IN_ILINOIS created, with 1 rows and 1 columns.

878 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

879

880 Proc sql;

881

882 create table TotalSales_In_Indiana as

883

884 SELECT sum(quantity) as Total_Sum_by_State_ID

885

886 From Work.DoltForState_In_Indiana

887

888

889 ;

NOTE: Table WORK.TOTALSALES_IN_INDIANA created, with 1 rows and 1 columns.

890 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

```
891
892 Proc sql;
893
894 create table TotalSales_In_Iowa as
895
896 SELECT sum(quantity) as Total_Sum_by_State_ID
897
898 From Work.DoltForState_In_Iowa
899
900
901 ;
```

NOTE: Table WORK.TOTALSALES_IN_IOWA created, with 1 rows and 1 columns.

```
902 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.00 seconds
```

```
903
904 Proc sql;
905
906 create table TotalSales_In_Kansas as
907
908 SELECT sum(quantity) as Total_Sum_by_State_ID
909
910 From Work. DoltForState_In_Kansas
911
912
913 ;
```

NOTE: Table WORK.TOTALSALES_IN_KANSAS created, with 1 rows and 1 columns.

```
914 quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
915
916
917 Proc sql;
918
919 create table TotalSales_In_Kentucky as
920
```

```
921 SELECT sum(quantity) as Total_Sum_by_State_ID
922
923 From Work.DoltForState_In_Kentucky
924
925
926 ;
```

NOTE: Table WORK.TOTALSALES_IN_KENTUCKY created, with 1 rows and 1 columns.

```
927 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
928
929
930 Proc sql;
931
932 create table TotalSales_In_Louisiana as
933
934 SELECT sum(quantity) as Total_Sum_by_State_ID
935
936 From Work. DoltForState_In_Louisiana
937
938
939 ;
```

NOTE: Table WORK.TOTALSALES_IN_LOUISIANA created, with 1 rows and 1 columns.

```
940 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
941
942
943 Proc sql;
944
945 create table TotalSales_In_Maine as
946
947 SELECT sum(quantity) as Total_Sum_by_State_ID
948
949 From Work.DoltForState_In_Maine
950
```


951

952 ;

NOTE: Table WORK.TOTALSALES_IN_MAINE created, with 1 rows and 1 columns.

953 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

954

955 Proc sql;

956

957 create table TotalSales_In_Maryland as

958

959 SELECT sum(quantity) as Total_Sum_by_State_ID

960

961 From Work.DoltForState_In_Maryland

962

963

964 ;

NOTE: Table WORK.TOTALSALES_IN_MARYLAND created, with 1 rows and 1 columns.

965 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

966

967 Proc sql;

968

969 create table TotalSales_In_Massachusetts as

970

971 SELECT sum(quantity) as Total_Sum_by_State_ID

972

973 From Work.DoltForState_In_Massachusetts

974

975

976 ;

NOTE: Table WORK.TOTALSALES_IN_MASSACHUSETTS created, with 1 rows and 1 columns.

977 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

978

979

980 Proc sql;

981

982 create table TotalSales_In_Michigan as

983

984 SELECT sum(quantity) as Total_Sum_by_State_ID

985

986 From Work.DoltForState_In_Michigan

987

988

989 ;

NOTE: Table WORK.TOTALSALES_IN_MICHIGAN created, with 1 rows and 1 columns.

990 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

991

992 Proc sql;

993

994 create table TotalSales_In_Minnesota as

995

996 SELECT sum(quantity) as Total_Sum_by_State_ID

997

998 From Work.DoltForState_In_Minnesota

999

1000

1001 ;

NOTE: Table WORK.TOTALSALES_IN_MINNESOTA created, with 1 rows and 1 columns.

1002 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1003
1004 Proc sql;
1005
1006 create table TotalSales_In_Mississippi as
1007
1008 SELECT sum(quantity) as Total_Sum_by_State_ID
1009
1010 From Work.DoltForState_In_Mississippi
1011
1012
1013 ;

NOTE: Table WORK.TOTALSALES_IN_MISSISSIPPI created, with 1 rows and 1 columns.

1014 Quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.01 seconds
 cpu time 0.01 seconds

1015
1016 Proc sql;
1017
1018 create table TotalSales_In_Missouri as
1019
1020 SELECT sum(quantity) as Total_Sum_by_State_ID
1021
1022 From Work. DoltForState_In_Missouri
1023
1024
1025 ;

NOTE: Table WORK.TOTALSALES_IN_MISSOURI created, with 1 rows and 1 columns.

1026 Quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.01 seconds
 cpu time 0.01 seconds

1027
1028 Proc sql;
1029
1030 create table TotalSales_In_Montana as
1031
1032 SELECT sum(quantity) as Total_Sum_by_State_ID

1033

1034 From Work.DoltForState_In_Montana

1035

1036

1037 ;

NOTE: Table WORK.TOTALSALES_IN_MONTANA created, with 1 rows and 1 columns.

1038 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.00 seconds
----------	--------------

1039

1040 Proc sql;

1041

1042 create table TotalSales_In_Nebraska as

1043

1044 SELECT sum(quantity) as Total_Sum_by_State_ID

1045

1046 From Work. DoltForState_In_Nebraska

1047

1048

1049 ;

NOTE: Table WORK.TOTALSALES_IN_NEBRASKA created, with 1 rows and 1 columns.

1050 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.00 seconds
----------	--------------

1051

1052 Proc sql;

1053

1054 create table TotalSales_In_Nevada as

1055

1056 SELECT sum(quantity) as Total_Sum_by_State_ID

1057

1058 From Work. DoltForState_In_Nevada

1059

1060

1061 ;

NOTE: Table WORK.TOTALSALES_IN_NEVADA created, with 1 rows and 1 columns.

1062 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1063

1064

1065 Proc sql;

1066

1067 create table TotalSales_In_New_Hampshire as

1068

1069 SELECT sum(quantity) as Total_Sum_by_State_ID

1070

1071 From Work.DoltForState_In_New_Hampshire

1072

1073

1074 ;

NOTE: Table WORK.TOTALSALES_IN_NEW_HAMPSHIRE created, with 1 rows and 1 columns.

1075 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1076

1077 Proc sql;

1078

1079 create table TotalSales_In_New_Jersey as

1080

1081 SELECT sum(quantity) as Total_Sum_by_State_ID

1082

1083 From Work.DoltForState_In_New_Jersey

1084

1085

1086 ;

NOTE: Table WORK.TOTALSALES_IN_NEW_JERSEY created, with 1 rows and 1 columns.

1087 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1088

1089 Proc sql;

1090

1091 create table TotalSales_In_New_Mexico as

1092

1093 SELECT sum(quantity) as Total_Sum_by_State_ID

1094

1095 From Work.DoltForState_In_New_Mexico

1096

1097

1098 ;

NOTE: Table WORK.TOTALSALES_IN_NEW_MEXICO created, with 1 rows and 1 columns.

1099 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1100

1101 Proc sql;

1102

1103 create table TotalSales_In_New_York as

1104

1105 SELECT sum(quantity) as Total_Sum_by_State_ID

1106

1107 From Work.DoltForState_In_New_York

1108

1109

1110 ;

NOTE: Table WORK.TOTALSALES_IN_NEW_YORK created, with 1 rows and 1 columns.

1111 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1112

1113 Proc sql;

1114

```
1115 create table TotalSales_In_North_Carolina as
1116
1117 SELECT sum(quantity) as Total_Sum_by_State_ID
1118
1119 From Work. DoltForState_In_North_Carolina
1120
1121
1122 ;
```

NOTE: Table WORK.TOTALSALES_IN_NORTH_CAROLINA created, with 1 rows and 1 columns.

```
1123 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1124
1125 Proc sql;
1126
1127 create table TotalSales_In_North_Dakota as
1128
1129 SELECT sum(quantity) as Total_Sum_by_State_ID
1130
1131 From Work.DoltForState_In_North_Dakota
1132
1133
1134 ;
```

NOTE: Table WORK.TOTALSALES_IN_NORTH_DAKOTA created, with 1 rows and 1 columns.

```
1135 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.03 seconds
cpu time	0.00 seconds

```
1136
1137 Proc sql;
1138
1139 create table TotalSales_In_Ohio as
1140
1141 SELECT sum(quantity) as Total_Sum_by_State_ID
1142
1143 From Work.DoltForState_In_Ohio
```

1144

1145

1146 ;

NOTE: Table WORK.TOTALSALES_IN_OHIO created, with 1 rows and 1 columns.

1147 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1148

1149 Proc sql;

1150

1151 create table TotalSales_In_Oklahoma as

1152

1153 SELECT sum(quantity) as Total_Sum_by_State_ID

1154

1155 From Work.DoltForState_In_Oklahoma

1156

1157

1158 ;

NOTE: Table WORK.TOTALSALES_IN_OKLAHOMA created, with 1 rows and 1 columns.

1159 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1160

1161

1162 Proc sql;

1163

1164 create table TotalSales_In_Oregon as

1165

1166 SELECT sum(quantity) as Total_Sum_by_State_ID

1167

1168 From Work.DoltForState_In_Oregon

1169

1170

1171 ;

NOTE: Table WORK.TOTALSALES_IN_OREGON created, with 1 rows and 1 columns.

1172 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1173

1174 Proc sql;

1175

1176 create table TotalSales_In_Pennsylvania as

1177

1178 SELECT sum(quantity) as Total_Sum_by_State_ID

1179

1180 From Work.DoltForState_In_Pennsylvania

1181

1182

1183 ;

NOTE: Table WORK.TOTALSALES_IN_PENNSYLVANIA created, with 1 rows and 1 columns.

1184 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1185

1186 Proc sql;

1187

1188 create table TotalSales_In_Rhode_Island as

1189

1190 SELECT sum(quantity) as Total_Sum_by_State_ID

1191

1192 From Work.DoltForState_In_Rhode_Island

1193

1194

1195 ;

NOTE: Table WORK.TOTALSALES_IN_RHODE_ISLAND created, with 1 rows and 1 columns.

1196 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1197

1198 Proc sql;

1199

1200 create table TotalSales_In_South_Carolina as

1201

1202 SELECT sum(quantity) as Total_Sum_by_State_ID

1203

1204 From Work.DoltForState_In_South_Carolina

1205

1206

1207 ;

NOTE: Table WORK.TOTALSALES_IN_SOUTH_CAROLINA created, with 1 rows and 1 columns.

1208 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

1209

1210 Proc sql;

1211

1212 create table TotalSales_In_South_Dakota as

1213

1214 SELECT sum(quantity) as Total_Sum_by_State_ID

1215

1216 From Work.DoltForState_In_South_Dakota

1217

1218

1219 ;

NOTE: Table WORK.TOTALSALES_IN_SOUTH_DAKOTA created, with 1 rows and 1 columns.

1220 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

1221

1222 Proc sql;

1223

1224 create table TotalSales_In_Tennessee as

1225

1226 SELECT sum(quantity) as Total_Sum_by_State_ID
1227
1228 From Work.DoltForState_In_Tennessee
1229
1230
1231 ;

NOTE: Table WORK.TOTALSALES_IN_TENNESSEE created, with 1 rows and 1 columns.

1232 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1233
1234 Proc sql;
1235
1236 create table TotalSales_In_Texas as
1237
1238 SELECT sum(quantity) as Total_Sum_by_State_ID
1239
1240 From Work.DoltForState_In_Texas
1241
1242
1243 ;

NOTE: Table WORK.TOTALSALES_IN_TEXAS created, with 1 rows and 1 columns.

1244 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

1245
1246
1247 Proc sql;
1248
1249 create table TotalSales_In_Utah as
1250
1251 SELECT sum(quantity) as Total_Sum_by_State_ID
1252
1253 From Work.DoltForState_In_Utah
1254
1255

1256 ;

NOTE: Table WORK.TOTALSALES_IN_UTAH created, with 1 rows and 1 columns.

1257 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.01 seconds

1258

1259 Proc sql;

1260

1261 create table TotalSales_In_Vermont as

1262

1263 SELECT sum(quantity) as Total_Sum_by_State_ID

1264

1265 From Work.DoltForState_In_Vermont

1266

1267

1268 ;

NOTE: Table WORK.TOTALSALES_IN_VERMONT created, with 1 rows and 1 columns.

1269 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1270

1271

1272 Proc sql;

1273

1274 create table TotalSales_In_Virginia as

1275

1276 SELECT sum(quantity) as Total_Sum_by_State_ID

1277

1278 From Work.DoltForState_In_Virginia

1279

1280

1281 ;

NOTE: Table WORK.TOTALSALES_IN_VIRGINIA created, with 1 rows and 1 columns.

1282 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1283
1284 Proc sql;
1285
1286 create table TotalSales_In_Washington as
1287
1288 SELECT sum(quantity) as Total_Sum_by_State_ID
1289
1290 From Work.DoltForState_In_Washington
1291
1292
1293 ;
```

NOTE: Table WORK.TOTALSALES_IN_WASHINGTON created, with 1 rows and 1 columns.

```
1294 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time	0.01 seconds
cpu time	0.01 seconds

```
1295
1296 Proc sql;
1297
1298 create table TotalSales_In_West_Virginia as
1299
1300 SELECT sum(quantity) as Total_Sum_by_State_ID
1301
1302 From Work.DoltForState_In_West_Virginia
1303
1304
1305 ;
```

NOTE: Table WORK.TOTALSALES_IN_WEST_VIRGINIA created, with 1 rows and 1 columns.

```
1306 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time	0.01 seconds
cpu time	0.01 seconds

```
1307
1308 Proc sql;
```

1309

1310 create table TotalSales_In_Wisconsin as

1311

1312 SELECT sum(quantity) as Total_Sum_by_State_ID

1313

1314 From Work. DoltForState_In_Wisconsin

1315

1316

1317 ;

NOTE: Table WORK.TOTALSALES_IN_WISCONSIN created, with 1 rows and 1 columns.

1318 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1319

1320 Proc sql;

1321

1322 create table TotalSales_In_Wyoming as

1323

1324 SELECT sum(quantity) as Total_Sum_by_State_ID

1325

1326 From Work.DoltForState_In_Wyoming

1327

1328

1329 ;

NOTE: Table WORK.TOTALSALES_IN_WYOMING created, with 1 rows and 1 columns.

1330 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1331

1332 Proc sql;

1333

1334 create table TotalSales_In_DC as

1335

1336 SELECT sum(quantity) as Total_Sum_by_State_ID

1337

1338 From Work.DoltForState_In_DC

1339

1340

1341 ;

NOTE: Table WORK.TOTALSALES_IN_DC created, with 1 rows and 1 columns.

1342 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1343

1344 data Work.Sum1_of_Sales_by_State_ID;

1345

1346 set TotalSales_In_Alabama TotalSales_In_Alaska TotalSales_In_Arizona

TotalSales_In_Arkansas

1346! TotalSales_In_California TotalSales_In_Colorado TotalSales_In_Connecticut

TotalSales_In_Delaware

1346! TotalSales_In_Florida TotalSales_In_Georgia TotalSales_In_Hawaii TotalSales_In_Idaho

1346! TotalSales_In_Illinois TotalSales_In_Indiana TotalSales_In_Iowa TotalSales_In_Kansas

1346! TotalSales_In_Kentucky TotalSales_In_Louisiana TotalSales_In_Maine

TotalSales_In_Maryland

1346! TotalSales_In_Massachusetts TotalSales_In_Michigan TotalSales_In_Minnesota

TotalSales_In_Mississippi

1346! TotalSales_In_Missouri TotalSales_In_Montana TotalSales_In_Nebraska

TotalSales_In_Nevada

1346! TotalSales_In_New_Hampshire TotalSales_In_New_Jersey TotalSales_In_New_Mexico

TotalSales_In_New_York

1346! TotalSales_In_North_Carolina TotalSales_In_North_Dakota TotalSales_In_Ohio

TotalSales_In_Oklahoma

1346! TotalSales_In_Oregon TotalSales_In_Pennsylvania TotalSales_In_Rhode_Island

TotalSales_In_South_Carolina

1346! TotalSales_In_South_Dakota TotalSales_In_Tennessee TotalSales_In_Texas

TotalSales_In_Utah

1346! TotalSales_In_Vermont TotalSales_In_Virginia TotalSales_In_Washington

TotalSales_In_West_Virginia

1346! TotalSales_In_Wisconsin TotalSales_In_Wyoming TotalSales_In_DC;

1347 run;

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_ALABAMA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_ALASKA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_ARIZONA.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_ARKANSAS.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_CALIFORNIA.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_COLORADO.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_CONNECTICUT.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_DELAWARE.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_FLORIDA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_GEORGIA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_HAWAII.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_IDAHO.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_ILINOIS.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_INDIANA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_IOWA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_KANSAS.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_KENTUCKY.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_LOUISIANA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_MAINE.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MARYLAND.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MASSACHUSETTS.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MICHIGAN.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MINNESOTA.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MISSISSIPPI.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_MISSOURI.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_MONTANA.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_NEBRASKA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_NEVADA.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_NEW_HAMPSHIRE.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_NEW_JERSEY.

NOTE: There were 1 observations read from the data set
WORK.TOTALSALES_IN_NEW_MEXICO.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_NEW_YORK.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_NORTH_CAROLINA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_NORTH_DAKOTA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_OHIO.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_OKLAHOMA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_OREGON.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_PENNSYLVANIA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_RHODE_ISLAND.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_SOUTH_CAROLINA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_SOUTH_DAKOTA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_TENNESSEE.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_TEXAS.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_UTAH.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_VERMONT.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_VIRGINIA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_WASHINGTON.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_WEST_VIRGINIA.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_WISCONSIN.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_WYOMING.

NOTE: There were 1 observations read from the data set WORK.TOTALSALES_IN_DC.

NOTE: The data set WORK.SUM1_OF_SALES_BY_STATE_ID has 51 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time	0.15 seconds
cpu time	0.06 seconds

1348
1349
1350
1351

```
1352 Proc sql;
1353
1354 create table Billing_In_Alabama as
1355
1356 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1357
1358 FROM DoltForState_In_Alabama
1359
1360
1361 ;
```

NOTE: Table WORK.BILLING_IN_ALABAMA created, with 753 rows and 1 columns.

```
1362 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
1363 Proc sql;
1364
1365 create table TotalBilling_In_Alabama as
1366
1367 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1368
1369 From Work.Billing_In_Alabama
1370
1371
1372 ;
```

NOTE: Table WORK.TOTALBILLING_IN_ALABAMA created, with 1 rows and 1 columns.

```
1373 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
1374
1375 Proc sql;
1376
1377 create table Billing_In_Alaska as
1378
1379 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1380
1381 FROM DoltForState_In_Alaska
```

1382

1383

1384 ;

NOTE: Table WORK.BILLING_IN_ALASKA created, with 836 rows and 1 columns.

1385 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1386 Proc sql;

1387

1388 create table TotalBilling_In_Alaska as

1389

1390 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1391

1392 From Work.Billing_In_Alaska

1393

1394

1395 ;

NOTE: Table WORK.TOTALBILLING_IN_ALASKA created, with 1 rows and 1 columns.

1396 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1397

1398 Proc sql;

1399

1400 create table Billing_In_Arizona as

1401

1402 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1403

1404 FROM DoltForState_In_Arizona

1405

1406

1407 ;

NOTE: Table WORK.BILLING_IN_ARIZONA created, with 272 rows and 1 columns.

1408 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds
cpu time 0.01 seconds

```
1409 Proc sql;  
1410  
1411 create table TotalBilling_In_Arizona as  
1412  
1413 SELECT sum(_TEMA001) as TotalBilling_BY_StateID  
1414  
1415 From Work.Billing_In_Arizona  
1416  
1417  
1418 ;
```

NOTE: Table WORK.TOTALBILLING_IN_ARIZONA created, with 1 rows and 1 columns.

```
1419 Quit;  
NOTE: PROCEDURE SQL used (Total process time):  
real time        0.01 seconds  
cpu time        0.01 seconds
```

```
1420  
1421  
1422  
1423  
1424 Proc sql;  
1425  
1426 create table Billing_In_Arkansas as  
1427  
1428 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM  
DoltForState_In_Arkansas  
1429  
1430  
1431 ;
```

NOTE: Table WORK.BILLING_IN_ARKANSAS created, with 1334 rows and 1 columns.

```
1432 Quit;  
NOTE: PROCEDURE SQL used (Total process time):  
real time        0.01 seconds  
cpu time        0.00 seconds
```

```
1433 Proc sql;
```

1434

1435 create table TotalBilling_In_Arkansas as

1436

1437 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1438

1439 From Work.Billing_In_Arkansas

1440

1441

1442 ;

NOTE: Table WORK.TOTALBILLING_IN_ARKANSAS created, with 1 rows and 1 columns.

1443 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1444

1445

1446

1447 Proc sql;

1448

1449 create table Billing_In_California as

1450

1451 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM
DoltForState_In_California

1452

1453

1454 ;

NOTE: Table WORK.BILLING_IN_CALIFORNIA created, with 1660 rows and 1 columns.

1455 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1456 Proc sql;

1457

1458 create table TotalBilling_In_California as

1459

1460 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1461

1462 From Work.Billing_In_California

1463

1464

1465 ;

NOTE: Table WORK.TOTALBILLING_IN_CALIFORNIA created, with 1 rows and 1 columns.

1466 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1467

1468 Proc sql;

1469

1470 create table Billing_In_Colorado as

1471

1472 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM
DoltForState_In_Colorado

1473

1474

1475 ;

NOTE: Table WORK.BILLING_IN_COLORADO created, with 1403 rows and 1 columns.

1476 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1477 Proc sql;

1478

1479 create table TotalBilling_In_Colorado as

1480

1481 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1482

1483 From Work.Billing_In_Colorado

1484

1485

1486 ;

NOTE: Table WORK.TOTALBILLING_IN_COLORADO created, with 1 rows and 1 columns.

1487 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1488

1489

1490 Proc sql;

1491

1492 create table Billing_In_Connecticut as

1493

1494 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM
DoltForState_In_Connecticut

1495

1496

1497 ;

NOTE: Table WORK.BILLING_IN_CONNECTICUT created, with 831 rows and 1 columns.

1498 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1499 Proc sql;

1500

1501 create table TotalBilling_In_Connecticut as

1502

1503 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1504

1505 From Work.Billing_In_Connecticut

1506

1507

1508 ;

NOTE: Table WORK.TOTALBILLING_IN_CONNECTICUT created, with 1 rows and 1 columns.

1509 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1510

1511

1512 Proc sql;

1513

1514 create table Billing_In_Delaware as

1515

1516 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate) FROM

DoltForState_In_Delaware

1517

1518

1519 ;

NOTE: Table WORK.BILLING_IN_DELAWARE created, with 1644 rows and 1 columns.

1520 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1521 Proc sql;

1522

1523 create table TotalBilling_In_Delaware as

1524

1525 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1526

1527 From Work.Billing_In_Delaware

1528

1529

1530 ;

NOTE: Table WORK.TOTALBILLING_IN_DELAWARE created, with 1 rows and 1 columns.

1531 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1532

1533 Proc sql;

1534

1535 create table Billing_In_Florida as

1536

1537 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1538 FROM DoltForState_In_Florida

1539

1540

1541 ;

NOTE: Table WORK.BILLING_IN_FLORIDA created, with 1101 rows and 1 columns.

1542 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1543 Proc sql;

1544

1545 create table TotalBilling_In_Florida as

1546

1547 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1548

1549 From Work.Billing_In_Florida

1550

1551

1552 ;

NOTE: Table WORK.TOTALBILLING_IN_FLORIDA created, with 1 rows and 1 columns.

1553 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1554

1555

1556

1557 Proc sql;

1558

1559 create table Billing_In_Georgia as

1560

1561 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1562 FROM DoltForState_In_Georgia

1563

1564

1565 ;

NOTE: Table WORK.BILLING_IN_GEORGIA created, with 860 rows and 1 columns.

1566 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1567 Proc sql;
1568
1569 create table TotalBilling_In_Georgia as
1570
1571 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1572
1573 From Work.Billing_In_Georgia
1574
1575
1576 ;
```

NOTE: Table WORK.TOTALBILLING_IN_GEORGIA created, with 1 rows and 1 columns.

```
1577 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time	0.01 seconds
cpu time	0.01 seconds

```
1578
1579 Proc sql;
1580
1581 create table Billing_In_Hawaii as
1582
1583 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1584 FROM DoltForState_In_Hawaii
1585
1586
1587 ;
```

NOTE: Table WORK.BILLING_IN_HAWAII created, with 1105 rows and 1 columns.

```
1588 Quit;
NOTE: PROCEDURE SQL used (Total process time):
```

real time	0.00 seconds
cpu time	0.00 seconds

```
1589 Proc sql;
1590
1591 create table TotalBilling_In_Hawaii as
1592
1593 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1594
1595 From Work.Billing_In_Hawaii
```

1596

1597

1598 ;

NOTE: Table WORK.TOTALBILLING_IN_HAWAII created, with 1 rows and 1 columns.

1599 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1600

1601

1602

1603 Proc sql;

1604

1605 create table Billing_In_Idaho as

1606

1607 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1608 FROM DoltForState_In_Idaho

1609

1610

1611 ;

NOTE: Table WORK.BILLING_IN_IDAHO created, with 547 rows and 1 columns.

1612 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1613 Proc sql;

1614

1615 create table TotalBilling_In_Idaho as

1616

1617 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1618

1619 From Work.Billing_In_Idaho

1620

1621

1622 ;

NOTE: Table WORK.TOTALBILLING_IN_IDAHO created, with 1 rows and 1 columns.

1623 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

1624

1625 Proc sql;

1626

1627 create table Billing_In_Illinois as

1628

1629 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1630 FROM DoltForState_In_Illinois

1631

1632

1633 ;

NOTE: Table WORK.BILLING_IN_ILLINOIS created, with 576 rows and 1 columns.

1634 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

1635 Proc sql;

1636

1637 create table TotalBilling_In_Illinois as

1638

1639 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1640

1641 From Work.Billing_In_Illinois

1642

1643

1644 ;

NOTE: Table WORK.TOTALBILLING_IN_ILLINOIS created, with 1 rows and 1 columns.

1645 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1646

1647

1648 Proc sql;

1649

1650 create table Billing_In_Indiana as

1651

1652 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1653 FROM DoltForState_In_Indiana

1654

1655

1656 ;

NOTE: Table WORK.BILLING_IN_INDIANA created, with 2738 rows and 1 columns.

1657 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1658 Proc sql;

1659

1660 create table TotalBilling_In_Indiana as

1661

1662 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1663

1664 From Work.Billing_In_Indiana

1665

1666

1667 ;

NOTE: Table WORK.TOTALBILLING_IN_INDIANA created, with 1 rows and 1 columns.

1668 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1669

1670 Proc sql;

1671

1672 create table Billing_In_Iowa as

1673

1674 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1675 FROM DoltForState_In_Iowa

1676

1677

1678 ;

NOTE: Table WORK.BILLING_IN_IOWA created, with 1435 rows and 1 columns.

1679 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1680 Proc sql;

1681

1682 create table TotalBilling_In_Iowa as

1683

1684 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1685

1686 From Work.Billing_In_Iowa

1687

1688

1689 ;

NOTE: Table WORK.TOTALBILLING_IN_IOWA created, with 1 rows and 1 columns.

1690 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1691

1692 Proc sql;

1693

1694 create table Billing_In_Kansas as

1695

1696 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1697 FROM DoltForState_In_Kansas

1698

1699

1700 ;

NOTE: Table WORK.BILLING_IN_KANSAS created, with 1916 rows and 1 columns.

1701 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

```
1702 Proc sql;
1703
1704 create table TotalBilling_In_Kansas as
1705
1706 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1707
1708 From Work.Billing_In_Kansas
1709
1710
1711 ;
```

NOTE: Table WORK.TOTALBILLING_IN_KANSAS created, with 1 rows and 1 columns.

```
1712 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1713
1714 Proc sql;
1715
1716 create table Billing_In_Kentucky as
1717
1718 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1719 FROM DoltForState_In_Kentucky
1720
1721
1722 ;
```

NOTE: Table WORK.BILLING_IN_KENTUCKY created, with 547 rows and 1 columns.

```
1723 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.02 seconds
cpu time	0.00 seconds

```
1724 Proc sql;
1725
1726 create table TotalBilling_In_Kentucky as
1727
1728 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1729
1730 From Work.Billing_In_Kentucky
1731
```

1732

1733 ;

NOTE: Table WORK.TOTALBILLING_IN_KENTUCKY created, with 1 rows and 1 columns.

1734 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1735

1736

1737

1738 Proc sql;

1739

1740 create table Billing_In_Louisiana as

1741

1742 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1743 FROM DoltForState_In_Louisiana

1744

1745

1746 ;

NOTE: Table WORK.BILLING_IN_LOUISIANA created, with 766 rows and 1 columns.

1747 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

1748 Proc sql;

1749

1750 create table TotalBilling_In_Louisiana as

1751

1752 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1753

1754 From Work.Billing_In_Louisiana

1755

1756

1757 ;

NOTE: Table WORK.TOTALBILLING_IN_LOUISIANA created, with 1 rows and 1 columns.

1758 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1759
1760
1761
1762
1763 Proc sql;
1764
1765 create table Billing_In_Maine as
1766
1767 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1768 FROM DoltForState_In_Maine
1769
1770
1771 ;
```

NOTE: Table WORK.BILLING_IN_MAINE created, with 2211 rows and 1 columns.

```
1772 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

```
1773 Proc sql;
1774
1775 create table TotalBilling_In_Maine as
1776
1777 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1778
1779 From Work.Billing_In_Maine
1780
1781
1782 ;
```

NOTE: Table WORK.TOTALBILLING_IN_MAINE created, with 1 rows and 1 columns.

```
1783 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

```
1784
```

```
1785 Proc sql;
1786
1787 create table Billing_In_Maryland as
1788
1789 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1790 FROM DoltForState_In_Maryland
1791
1792
1793 ;
```

NOTE: Table WORK.BILLING_IN_MARYLAND created, with 552 rows and 1 columns.

```
1794 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.00 seconds
      cpu time       0.01 seconds
```

```
1795 Proc sql;
1796
1797 create table TotalBilling_In_Maryland as
1798
1799 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1800
1801 From Work.Billing_In_Maryland
1802
1803
1804 ;
```

NOTE: Table WORK.TOTALBILLING_IN_MARYLAND created, with 1 rows and 1 columns.

```
1805 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.00 seconds
      cpu time       0.00 seconds
```

```
1806
1807 Proc sql;
1808
1809 create table Billing_In_Massachusetts as
1810
1811 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1812 FROM DoltForState_In_Massachusetts
1813
1814
```

1815 ;

NOTE: Table WORK.BILLING_IN_MASSACHUSETTS created, with 541 rows and 1 columns.

1816 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1817 Proc sql;

1818

1819 create table TotalBilling_In_Massachusetts as

1820

1821 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1822

1823 From Work.Billing_In_Massachusetts

1824

1825

1826 ;

NOTE: Table WORK.TOTALBILLING_IN_MASSACHUSETTS created, with 1 rows and 1 columns.

1827 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1828

1829 Proc sql;

1830

1831 create table Billing_In_Michigan as

1832

1833 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1834 FROM DoltForState_In_Michigan

1835

1836

1837 ;

NOTE: Table WORK.BILLING_IN_MICHIGAN created, with 2774 rows and 1 columns.

1838 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1839 Proc sql;

1840

1841 create table TotalBilling_In_Michigan as

1842

1843 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1844

1845 From Work.Billing_In_Michigan

1846

1847

1848 ;

NOTE: Table WORK.TOTALBILLING_IN_MICHIGAN created, with 1 rows and 1 columns.

1849 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1850

1851 Proc sql;

1852

1853 create table Billing_In_Minnesota as

1854

1855 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1856 FROM DoltForState_In_Minnesota

1857

1858

1859 ;

NOTE: Table WORK.BILLING_IN_MINNESOTA created, with 535 rows and 1 columns.

1860 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1861 Proc sql;

1862

1863 create table TotalBilling_In_Minnesota as

1864

1865 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1866

1867 From Work.Billing_In_Minnesota

1868

1869

1870 ;

NOTE: Table WORK.TOTALBILLING_IN_MINNESOTA created, with 1 rows and 1 columns.

1871 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

1872

1873 Proc sql;

1874

1875 create table Billing_In_Mississippi as

1876

1877 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1878 FROM DoltForState_In_Mississippi

1879

1880

1881 ;

NOTE: Table WORK.BILLING_IN_MISSISSIPPI created, with 524 rows and 1 columns.

1882 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

1883 Proc sql;

1884

1885 create table TotalBilling_In_Mississippi as

1886

1887 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1888

1889 From Work.Billing_In_Mississippi

1890

1891

1892 ;

NOTE: Table WORK.TOTALBILLING_IN_MISSISSIPPI created, with 1 rows and 1 columns.

1893 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1894

1895 Proc sql;

1896

1897 create table Billing_In_Missouri as

1898

1899 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1900 FROM DoltForState_In_Missouri

1901

1902

1903 ;

NOTE: Table WORK.BILLING_IN_MISSOURI created, with 1707 rows and 1 columns.

1904 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1905 Proc sql;

1906

1907 create table TotalBilling_In_Missouri as

1908

1909 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1910

1911 From Work.Billing_In_Missouri

1912

1913

1914 ;

NOTE: Table WORK.TOTALBILLING_IN_MISSOURI created, with 1 rows and 1 columns.

1915 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

1916

1917

1918

1919 Proc sql;

1920

1921 create table Billing_In_Montana as

1922

1923 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1924 FROM DoltForState_In_Montana

1925

1926

1927 ;

NOTE: Table WORK.BILLING_IN_MONTANA created, with 847 rows and 1 columns.

1928 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1929 Proc sql;

1930

1931 create table TotalBilling_In_Montana as

1932

1933 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1934

1935 From Work.Billing_In_Montana

1936

1937

1938 ;

NOTE: Table WORK.TOTALBILLING_IN_MONTANA created, with 1 rows and 1 columns.

1939 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

1940

1941

1942

1943 Proc sql;

1944

1945 create table Billing_In_Nebraska as

1946

1947 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1948 FROM DoltForState_In_Nebraska

1949

1950

1951 ;

NOTE: Table WORK.BILLING_IN_NEBRASKA created, with 872 rows and 1 columns.

1952 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1953 Proc sql;

1954

1955 create table TotalBilling_In_Nebraska as

1956

1957 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

1958

1959 From Work.Billing_In_Nebraska

1960

1961

1962 ;

NOTE: Table WORK.TOTALBILLING_IN_NEBRASKA created, with 1 rows and 1 columns.

1963 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

1964

1965

1966

1967 Proc sql;

1968

1969 create table Billing_In_Nevada as

1970

1971 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

1972 FROM DoltForState_In_Nevada

1973

1974

1975 ;

NOTE: Table WORK.BILLING_IN_NEVADA created, with 1692 rows and 1 columns.

1976 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1977 Proc sql;
1978
1979 create table TotalBilling_In_Nevada as
1980
1981 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
1982
1983 From Work.Billing_In_Nevada
1984
1985
1986 ;
```

NOTE: Table WORK.TOTALBILLING_IN_NEVADA created, with 1 rows and 1 columns.

```
1987 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1988
1989 Proc sql;
1990
1991 create table Billing_In_New_Hampshire as
1992
1993 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
1994 FROM DoltForState_In_New_Hampshire
1995
1996
1997 ;
```

NOTE: Table WORK.BILLING_IN_NEW_HAMPSHIRE created, with 290 rows and 1 columns.

```
1998 Quit;
```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
1999 Proc sql;
2000
2001 create table TotalBilling_In_New_Hampshire as
2002
```

2003 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2004

2005 From Work.Billing_In_New_Hampshire

2006

2007

2008 ;

NOTE: Table WORK.TOTALBILLING_IN_NEW_HAMPSHIRE created, with 1 rows and 1 columns.

2009 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2010

2011 Proc sql;

2012

2013 create table Billing_In_New_Jersey as

2014

2015 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2016 FROM DoltForState_In_New_Jersey

2017

2018

2019 ;

NOTE: Table WORK.BILLING_IN_NEW_JERSEY created, with 574 rows and 1 columns.

2020 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2021 Proc sql;

2022

2023 create table TotalBilling_In_New_Jersey as

2024

2025 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2026

2027 From Work.Billing_In_New_Jersey

2028

2029

2030 ;

NOTE: Table WORK.TOTALBILLING_IN_NEW_JERSEY created, with 1 rows and 1 columns.

2031 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

2032

2033 Proc sql;

2034

2035 create table Billing_In_New_Mexico as

2036

2037 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2038 FROM DoltForState_In_New_Mexico

2039

2040

2041 ;

NOTE: Table WORK.BILLING_IN_NEW_MEXICO created, with 1147 rows and 1 columns.

2042 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2043 Proc sql;

2044

2045 create table TotalBilling_In_New_Mexico as

2046

2047 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2048

2049 From Work.Billing_In_New_Mexico

2050

2051

2052 ;

NOTE: Table WORK.TOTALBILLING_IN_NEW_MEXICO created, with 1 rows and 1 columns.

2053 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2054

```
2055 Proc sql;
2056
2057 create table Billing_In_New_York as
2058
2059 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2060 FROM DoltForState_In_New_York
2061
2062
2063 ;
```

NOTE: Table WORK.BILLING_IN_NEW_YORK created, with 840 rows and 1 columns.

```
2064 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
2065 Proc sql;
2066
2067 create table TotalBilling_In_New_York as
2068
2069 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2070
2071 From Work.Billing_In_New_York
2072
2073
2074 ;
```

NOTE: Table WORK.TOTALBILLING_IN_NEW_YORK created, with 1 rows and 1 columns.

```
2075 Quit;
NOTE: PROCEDURE SQL used (Total process time):
      real time      0.01 seconds
      cpu time       0.00 seconds
```

```
2076
2077
2078 Proc sql;
2079
2080 create table Billing_In_North_Carolina as
2081
2082 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2083 FROM DoltForState_In_North_Carolina
2084
```

2085

2086 ;

NOTE: Table WORK.BILLING_IN_NORTH_CAROLINA created, with 1359 rows and 1 columns.

2087 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

2088 Proc sql;

2089

2090 create table TotalBilling_In_North_Carolina as

2091

2092 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2093

2094 From Work.Billing_In_North_Carolina

2095

2096

2097 ;

NOTE: Table WORK.TOTALBILLING_IN_NORTH_CAROLINA created, with 1 rows and 1 columns.

2098 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

2099

2100 Proc sql;

2101

2102 create table Billing_In_North_Dakota as

2103

2104 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2105 FROM DoltForState_In_North_Dakota

2106

2107

2108 ;

NOTE: Table WORK.BILLING_IN_NORTH_DAKOTA created, with 574 rows and 1 columns.

2109 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

2110 Proc sql;

2111

2112 create table TotalBilling_In_North_Dakota as

2113

2114 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2115

2116 From Work.Billing_In_North_Dakota

2117

2118

2119 ;

NOTE: Table WORK.TOTALBILLING_IN_NORTH_DAKOTA created, with 1 rows and 1 columns.

2120 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

2121

2122 Proc sql;

2123

2124 create table Billing_In_Ohio as

2125

2126 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2127 FROM DoltForState_In_Ohio

2128

2129

2130 ;

NOTE: Table WORK.BILLING_IN_OHIO created, with 271 rows and 1 columns.

2131 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

2132 Proc sql;

2133

2134 create table TotalBilling_In_Ohio as

2135

2136 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2137
2138 From Work.Billing_In_Ohio
2139
2140
2141 ;

NOTE: Table WORK.TOTALBILLING_IN_OHIO created, with 1 rows and 1 columns.

2142 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.00 seconds

2143
2144 Proc sql;
2145
2146 create table Billing_In_Oklahoma as
2147
2148 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2149 FROM DoltForState_In_Oklahoma
2150
2151
2152 ;

NOTE: Table WORK.BILLING_IN_OKLAHOMA created, with 1446 rows and 1 columns.

2153 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

2154 Proc sql;
2155
2156 create table TotalBilling_In_Oklahoma as
2157
2158 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2159
2160 From Work.Billing_In_Oklahoma
2161
2162
2163 ;

NOTE: Table WORK.TOTALBILLING_IN_OKLAHOMA created, with 1 rows and 1 columns.

2164 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2165

2166 Proc sql;

2167

2168 create table Billing_In_Oregon as

2169

2170 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2171 FROM DoltForState_In_Oregon

2172

2173

2174 ;

NOTE: Table WORK.BILLING_IN_OREGON created, with 1081 rows and 1 columns.

2175 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2176 Proc sql;

2177

2178 create table TotalBilling_In_Oregon as

2179

2180 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2181

2182 From Work.Billing_In_Oregon

2183

2184

2185 ;

NOTE: Table WORK.TOTALBILLING_IN_OREGON created, with 1 rows and 1 columns.

2186 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2187

2188

2189

2190 Proc sql;

2191

2192 create table Billing_In_Pennsylvania as

2193

2194 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2195 FROM DoltForState_In_Pennsylvania

2196

2197

2198 ;

NOTE: Table WORK.BILLING_IN_PENNSYLVANIA created, with 1128 rows and 1 columns.

2199 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

2200 Proc sql;

2201

2202 create table TotalBilling_In_Pennsylvania as

2203

2204 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2205

2206 From Work.Billing_In_Pennsylvania

2207

2208

2209 ;

NOTE: Table WORK.TOTALBILLING_IN_PENNSYLVANIA created, with 1 rows and 1 columns.

2210 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
-----------	--------------

cpu time	0.01 seconds
----------	--------------

2211

2212 Proc sql;

2213

2214 create table Billing_In_Rhode_Island as

2215

2216 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2217 FROM DoltForState_In_Rhode_Island

2218 ;

NOTE: Table WORK.BILLING_IN_RHODE_ISLAND created, with 1412 rows and 1 columns.

2219 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2220 Proc sql;

2221

2222

2223 create table TotalBilling_In_Rhode_Island as

2224

2225 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2226

2227 From Work.Billing_In_Rhode_Island

2228

2229

2230 ;

NOTE: Table WORK.TOTALBILLING_IN_RHODE_ISLAND created, with 1 rows and 1 columns.

2231 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2232

2233 Proc sql;

2234

2235 create table Billing_In_South_Carolina as

2236

2237 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2238 FROM DoltForState_In_South_Carolina

2239

2240

2241

2242 ;

NOTE: Table WORK.BILLING_IN_SOUTH_CAROLINA created, with 2246 rows and 1 columns.

2243 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2244 Proc sql;
2245
2246 create table TotalBilling_In_South_Carolina as
2247
2248 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2249
2250 From Work.Billing_In_South_Carolina
2251
2252
2253 ;
NOTE: Table WORK.TOTALBILLING_IN_SOUTH_CAROLINA created, with 1 rows and 1
columns.

2254 Quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.01 seconds
 cpu time 0.01 seconds

2255
2256
2257
2258 Proc sql;
2259
2260 create table Billing_In_South_Dakota as
2261
2262 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2263 FROM DoltForState_In_South_Dakota
2264
2265
2266 ;
NOTE: Table WORK.BILLING_IN_SOUTH_DAKOTA created, with 267 rows and 1 columns.

2267 Quit;
NOTE: PROCEDURE SQL used (Total process time):
 real time 0.00 seconds
 cpu time 0.01 seconds

2268
2269 Proc sql;
2270

2271 create table TotalBilling_In_South_Dakota as
2272
2273 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2274
2275 From Billing_In_South_Dakota
2276
2277
2278 ;

NOTE: Table WORK.TOTALBILLING_IN_SOUTH_DAKOTA created, with 1 rows and 1 columns.

2279 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2280
2281 Proc sql;
2282
2283 create table Billing_In_Tennessee as
2284
2285 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2286 FROM DoltForState_In_Tennessee
2287
2288
2289 ;

NOTE: Table WORK.BILLING_IN_TENNESSEE created, with 1087 rows and 1 columns.

2290 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2291
2292
2293 Proc sql;
2294 create table TotalBilling_In_Tennessee as
2295
2296 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2297
2298 From Work.Billing_In_Tennessee
2299

2300 ;

NOTE: Table WORK.TOTALBILLING_IN_TENNESSEE created, with 1 rows and 1 columns.

2301 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2302

2303

2304

2305 Proc sql;

2306

2307 create table Billing_In_Texas as

2308

2309 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2310 FROM DoltForState_In_Texas

2311

2312

2313 ;

NOTE: Table WORK.BILLING_IN_TEXAS created, with 255 rows and 1 columns.

2314 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2315

2316

2317 Proc sql;

2318

2319 create table TotalBilling_In_Texas as

2320

2321 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2322

2323 From Work.Billing_In_Texas

2324

2325

2326 ;

NOTE: Table WORK.TOTALBILLING_IN_TEXAS created, with 1 rows and 1 columns.

2327 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

2328

2329 Proc sql;

2330

2331 create table Billing_In_Utah as

2332

2333 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2334 FROM DoltForState_In_Utah

2335

2336

2337 ;

NOTE: Table WORK.BILLING_IN_UTAH created, with 1076 rows and 1 columns.

2338 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

2339

2340

2341

2342 Proc sql;

2343

2344 create table TotalBilling_In_Utah as

2345

2346 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2347

2348 From Work.Billing_In_Utah

2349

2350

2351 ;

NOTE: Table WORK.TOTALBILLING_IN_UTAH created, with 1 rows and 1 columns.

2352 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2353

2354 Proc sql;

2355

2356 create table Billing_In_Vermont as

2357

2358 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2359 FROM DoltForState_In_Vermont

2360

2361

2362

2363

2364 ;

NOTE: Table WORK.BILLING_IN_VERMONT created, with 1112 rows and 1 columns.

2365 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2366

2367 Proc sql;

2368

2369 create table TotalBilling_In_Vermont as

2370

2371 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2372

2373 From Work.Billing_In_Vermont

2374

2375

2376 ;

NOTE: Table WORK.TOTALBILLING_IN_VERMONT created, with 1 rows and 1 columns.

2377 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2378

2379 Proc sql;

2380

2381 create table Billing_In_Virginia as

2382

2383 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2384 FROM DoltForState_In_Virginia
2385
2386
2387
2388 ;

NOTE: Table WORK.BILLING_IN_VIRGINIA created, with 1174 rows and 1 columns.

2389 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2390

2391 Proc sql;

2392

2393 create table TotalBilling_In_Virginia as

2394

2395 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2396

2397 From Work.Billing_In_Virginia

2398

2399

2400 ;

NOTE: Table WORK.TOTALBILLING_IN_VIRGINIA created, with 1 rows and 1 columns.

2401 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

2402

2403 Proc sql;

2404

2405 create table Billing_In_Washington as

2406

2407 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2408 FROM DoltForState_In_Washington

2409

2410

2411

2412 ;

NOTE: Table WORK.BILLING_IN_WASHINGTON created, with 1937 rows and 1 columns.

2413 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2414

2415 Proc sql;

2416

2417 create table TotalBilling_In_Washington as

2418

2419 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2420

2421 From Work.Billing_In_Washington

2422

2423

2424 ;

NOTE: Table WORK.TOTALBILLING_IN_WASHINGTON created, with 1 rows and 1 columns.

2425 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.01 seconds

2426

2427 Proc sql;

2428

2429 create table Billing_In_West_Virginia as

2430

2431 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2432 FROM DoltForState_In_West_Virginia

2433

2434

2435

2436 ;

NOTE: Table WORK.BILLING_IN_WEST_VIRGINIA created, with 836 rows and 1 columns.

2437 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2438

2439 Proc sql;

2440

2441 create table TotalBilling_In_West_Virginia as

2442

2443 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2444

2445 From Work.Billing_In_West_Virginia

2446

2447

2448 ;

NOTE: Table WORK.TOTALBILLING_IN_WEST_VIRGINIA created, with 1 rows and 1 columns.

2449 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.01 seconds

2450

2451

2452 Proc sql;

2453

2454 create table Billing_In_Wisconsin as

2455

2456 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2457 FROM DoltForState_In_Wisconsin

2458

2459

2460

2461 ;

NOTE: Table WORK.BILLING_IN_WISCONSIN created, with 841 rows and 1 columns.

2462 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2463

2464 Proc sql;

2465

2466 create table TotalBilling_In_Wisconsin as
2467
2468 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2469
2470 From Work.Billing_In_Wisconsin
2471
2472
2473 ;

NOTE: Table WORK.TOTALBILLING_IN_WISCONSIN created, with 1 rows and 1 columns.

2474 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2475
2476 Proc sql;
2477
2478 create table Billing_In_Wyoming as
2479
2480 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)
2481 FROM DoltForState_In_Wyoming
2482
2483
2484
2485 ;

NOTE: Table WORK.BILLING_IN_WYOMING created, with 1400 rows and 1 columns.

2486 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.00 seconds
cpu time	0.01 seconds

2487
2488
2489 Proc sql;
2490
2491 create table TotalBilling_In_Wyoming as
2492
2493 SELECT sum(_TEMA001) as TotalBilling_BY_StateID
2494
2495 From Work.Billing_In_Wyoming

2496

2497

2498 ;

NOTE: Table WORK.TOTALBILLING_IN_WYOMING created, with 1 rows and 1 columns.

2499 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2500

2501

2502 Proc sql;

2503

2504 create table Billing_In_DC as

2505

2506 SELECT PriceOut*quantity * (1-discount) * (1-state_tax_rate)

2507

2508 FROM DoltForState_In_DC

2509

2510

2511 ;

NOTE: Table WORK.BILLING_IN_DC created, with 535 rows and 1 columns.

2512 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

2513 Proc sql;

2514

2515 create table TotalBilling_In_DC as

2516

2517 SELECT sum(_TEMA001) as TotalBilling_BY_StateID

2518

2519 From Work.Billing_In_DC

2520

2521

2522 ;

NOTE: Table WORK.TOTALBILLING_IN_DC created, with 1 rows and 1 columns.

2523 Quit;

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

```
2524
2525
2526
2527
2528
2529
2530
2531
2532 data Work.S_of_Billing_by_State_ID;
2533
2534 set TotalBilling_In_Alabama TotalBilling_In_Alaska TotalBilling_In_Arizona
TotalBilling_In_Arkansas
2534! TotalBilling_In_California TotalBilling_In_Colorado TotalBilling_In_Connecticut
TotalBilling_In_Delaware
2534! TotalBilling_In_Florida TotalBilling_In_Georgia TotalBilling_In_Hawaii
TotalBilling_In_Idaho
2534! TotalBilling_In_Illinois TotalBilling_In_Indiana TotalBilling_In_Iowa TotalBilling_In_Kansas
2534! TotalBilling_In_Kentucky TotalBilling_In_Louisiana TotalBilling_In_Maine
TotalBilling_In_Maryland
2534! TotalBilling_In_Massachusetts TotalBilling_In_Michigan TotalBilling_In_Minnesota
2534! TotalBilling_In_Mississippi TotalBilling_In_Missouri TotalBilling_In_Montana
TotalBilling_In_Nebraska
2534! TotalBilling_In_Nevada TotalBilling_In_New_Hampshire TotalBilling_In_New_Jersey
2534! TotalBilling_In_New_Mexico TotalBilling_In_New_York TotalBilling_In_North_Carolina
2534! TotalBilling_In_North_Dakota TotalBilling_In_Ohio TotalBilling_In_Oklahoma
TotalBilling_In_Oregon
2534! TotalBilling_In_Pennsylvania TotalBilling_In_Rhode_Island
TotalBilling_In_South_Carolina
2534! TotalBilling_In_South_Dakota TotalBilling_In_Tennessee TotalBilling_In_Texas
TotalBilling_In_Utah
2534! TotalBilling_In_Vermont TotalBilling_In_Virginia TotalBilling_In_Washington
2534! TotalBilling_In_West_Virginia TotalBilling_In_Wisconsin TotalBilling_In_Wyoming
TotalBilling_In_DC;
2535 run;
```

NOTE: There were 1 observations read from the data set

WORK.TOTALBILLING_IN_ALABAMA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_ALASKA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_ARIZONA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_ARKANSAS.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_CALIFORNIA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_COLORADO.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_CONNECTICUT.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_DELAWARE.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_FLORIDA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_GEORGIA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_HAWAII.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_IDAHO.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_ILLINOIS.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_INDIANA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_IOWA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_KANSAS.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_KENTUCKY.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_LOUISIANA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MAINE.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MARYLAND.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MASSACHUSETTS.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MICHIGAN.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MINNESOTA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MISSISSIPPI.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MISSOURI.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_MONTANA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEBRASKA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEVADA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEW_HAMPSHIRE.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEW_JERSEY.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEW_MEXICO.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NEW_YORK.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NORTH_CAROLINA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_NORTH_DAKOTA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_OHIO.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_OKLAHOMA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_OREGON.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_PENNSYLVANIA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_RHODE_ISLAND.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_SOUTH_CAROLINA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_SOUTH_DAKOTA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_TENNESSEE.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_TEXAS.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_UTAH.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_VERMONT.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_VIRGINIA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_WASHINGTON.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_WEST_VIRGINIA.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_WISCONSIN.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_WYOMING.

NOTE: There were 1 observations read from the data set WORK.TOTALBILLING_IN_DC.

NOTE: The data set WORK.S_OF BILLING_BY_STATE_ID has 51 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time	0.05 seconds
cpu time	0.04 seconds

2536

```
2537 proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\States.xlsx'
2538   out = Sheet1
2539   dbms = xlsx
2540   replace
2541   ;
2542   sheet = "Sheet1";
2543   run;
```

NOTE: Variable Name Change. Alphabetical Order -> Alphabetical_Order

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 51 observations and 1 variables.

NOTE: WORK.SHEET1 data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.03 seconds
cpu time	0.01 seconds

2544

2545

2546

```
2547 data Work.Billing_Sum_by_State_In_Dollars;
2548
2549 merge Work.S_of_Billing_by_State_ID Work.Sheet1;
2550 run;
```

NOTE: There were 51 observations read from the data set
WORK.S_OF_BILLING_BY_STATE_ID.

NOTE: There were 51 observations read from the data set WORK.SHEET1.

NOTE: The data set WORK.BILLING_SUM_BY_STATE_IN_DOLLARS has 51 observations
and 2 variables.

NOTE: DATA statement used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2551


```
2552 data Work.Quantity_of_Sales_by_State;
2553
2554 merge Work.Sum1_of_Sales_by_State_ID Work.Sheet1;
2555 run;
```

NOTE: There were 51 observations read from the data set
WORK.SUM1_OF_SALES_BY_STATE_ID.

NOTE: There were 51 observations read from the data set WORK.SHEET1.

NOTE: The data set WORK.QUANTITY_OF_SALES_BY_STATE has 51 observations and 2
variables.

NOTE: DATA statement used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

```
2536
2537 proc import datafile = '\\msfs-03.grove.ad.uconn.edu\home\stg19003\Desktop\States.xlsx'
2538   out = Sheet1
2539   dbms = xlsx
2540   replace
2541   ;
2542   sheet = "Sheet1";
2543   run;
```

NOTE: Variable Name Change. Alphabetical Order -> Alphabetical_Order

NOTE: One or more variables were converted because the data type is not supported by the V9
engine. For more

details, run with options MSGLEVEL=I.

NOTE: The import data set has 51 observations and 1 variables.

NOTE: WORK.SHEET1 data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.03 seconds
cpu time	0.01 seconds

```
2544
2545
2546
2547 data Work.Billing_Sum_by_State_In_Dollars;
2548
2549 merge Work.S_of_Billing_by_State_ID Work.Sheet1;
2550 run;
```

NOTE: There were 51 observations read from the data set
WORK.S_OF_BILLING_BY_STATE_ID.

NOTE: There were 51 observations read from the data set WORK.SHEET1.

NOTE: The data set WORK.BILLING_SUM_BY_STATE_IN_DOLLARS has 51 observations
and 2 variables.

NOTE: DATA statement used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

2551

2552 data Work.Quantity_of_Sales_by_State;

2553

2554 merge Work.Sum1_of_Sales_by_State_ID Work.Sheet1;

2555 run;

NOTE: There were 51 observations read from the data set
WORK.SUM1_OF_SALES_BY_STATE_ID.

NOTE: There were 51 observations read from the data set WORK.SHEET1.

NOTE: The data set WORK.QUANTITY_OF_SALES_BY_STATE has 51 observations and 2
variables.

NOTE: DATA statement used (Total process time):

real time	0.01 seconds
cpu time	0.01 seconds

Here is the table pasted from SAS displaying the total sales:

Total_Sum_by_State _ID	Alphabetical Order	STID
2653	Alabama	1
2938	Alaska	2
960	Arizona	3
4658	Arkansas	4
5782	California	5
4944	Colorado	6
2935	Connecticut	7
5764	Delaware	8
3834	Florida	9

2962	Georgia	10
3889	Hawaii	11
1929	Idaho	12
2012	Illinois	13
9573	Indiana	14
5048	Iowa	15
6600	Kansas	16
1904	Kentucky	17
2608	Louisiana	18
7722	Maine	19
1885	Maryland	20

1855	Massachusetts	21
9692	Michigan	22
1853	Minnesota	23
1835	Mississippi	24
5912	Missouri	25
2938	Montana	26
3047	Nebraska	27
5926	Nevada	28
1043	New Hampshire	29
2036	New Jersey	30
3936	New Mexico	31
3024	New York	32
4740	North Carolina	33
2010	North Dakota	34
914	Ohio	35
5128	Oklahoma	36
387	Oregon	37

3967	Pennsylvania	38
5147	Rhode Island	39
7857	South Carolina	40
931	South Dakota	41
3804	Tennessee	42
888	Texas	43
3757	Utah	44
3859	Vermont	45
3979	Virginia	46
6874	Washington	47
2997	West Virginia	48

2953	Wisconsin	49
4788	Wyoming	50
1894	DC	51

Here is the table pasted from SAS displaying the total billings:

TotalBilling_BY_StateID	Alphabetical Order	State_ID
395397.5	Alabama	1
452305.8	Alaska	2
201062.87	Arizona	3
595460.32	Arkansas	4
747533.69	California	5
573111.69	Colorado	6
367397.02	Connecticut	7
825402.24	Delaware	8
415251.3	Florida	9
319492.53	Georgia	10
564801.66	Hawaii	11
289461.72	Idaho	12
313490.51	Illinois	13
1483999.59	Indiana	14
715124.2	Iowa	15
909599.32	Kansas	16
274406.76	Kentucky	17
309084.32	Louisiana	18
1124830.83	Maine	19
166027.96	Maryland	20
289361.37	Massachusetts	21
1167316.34	Michigan	22
293649.81	Minnesota	23
300866.41	Mississippi	24

799076.23	Missouri	25
421316.6	Montana	26
497475.26	Nebraska	27
921669.24	Nevada	28
143653.31	New Hampshire	29
297260.33	New Jersey	30
537004.17	New Mexico	31
459393.37	New York	32
563844.86	North Carolina	33
280152.72	North Dakota	34
113938.64	Ohio	35
619446.62	Oklahoma	36
626281.85	Oregon	37
514720.08	Pennsylvania	38
676933.54	Rhode Island	39
1283008.67	South Carolina	40
127588.72	South Dakota	41

416500.36	Tennessee	42
126711.54	Texas	43
510233.49	Utah	44
562330.25	Vermont	45
518604	Virginia	46
905825.75	Washington	47
427013.19	West Virginia	48
371729.68	Wisconsin	49
588840.3	Wyoming	50
245016.2	DC	51

Concluding thoughts:

The lowest amount of sales from all the states was from the State of Texas with 888 sales from Wellington Global Marketplace. The highest amount of sales from all the states from

the State of Michigan with 9692 sales. As for the total billing, the state with the highest billing sum was the State of South Carolina with 1283008.6743 \$. The state with the lowest billing sum was the State of Ohio with 113939.6365 \$. While these numbers are quite volatile when compared to one another; are these calculations a good metric to evaluate the company's success in that particular state? Fortunately, further evaluation techniques could be utilized to see if these findings yield statistically significant results. Nevertheless, the hypotheses that the total quantity of sales and the total amount from billing compared to the total quantity of sales per state and the total amount from billing per state shall be tested under a regression analysis for statistical significance.