

```
%let path=/courses/d649d56dba27fe300/STA5067/SAS Data;
libname orion "&path/orion";
/*          1.a1          */
proc sql;
title "The Highest Salary";
select max(Salary)
from orion.employee_payroll
;quit;
title;

/*          1.a2          */
%let DateSet = employee_payroll;
%let VariableName = Salary;
%put The value of Employee_Payroll is &DateSet;
%put The value of Salary is &VariableName;

/*          1.b          */
proc sql;
title "the max &VariableName in table orion.&DateSet is";
select max(&VariableName)
from orion.&DateSet
;quit;
title;

/*          1.c          */
%let DateSet = price_list;
%let VariableName = Unit_Sales_Price;
proc sql;
title "the max &VariableName in table orion.&DateSet is";
select max(&VariableName)
from orion.&DateSet
;quit;
title;

/*          2.a          */
proc sql;
title "2007 Purchase by &PurchaseName";
select Country label "Country",
       sum(Total_Retail_Price) as Purchases format = comma12.2
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
and   year(Order_Date) = 2007
group by Country
order by 2 desc
;
quit;
title;

/*          2.b          */
proc sql;
title "2007 US Customer Purchase";
title2 "Total US Purchases:$10,655.97";
```

```
select Customer_Name label "Customer Name",
       sum(Total_Retail_Price) as Purchases format = comma12.2
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
and   year(Order_Date) = 2007
and   Country contains "US"
group by Customer_Name
order by 2 desc
;
quit;
title;
/*          2.c          */
%let PurchaseName = Country;
proc sql noprint;
select &PurchaseName,
       sum(Total_Retail_Price)
into   :Country1-:Country8,:Country_Purchase1-:Country_Purchase8
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
and   year(Order_Date) = 2007
group by &PurchaseName
order by 2 desc
;
%let PurchaseName = Customer_Name;
reset print;
title "2007 &Country1 Customer Purchases";
title2 "Total &Country1 Purchases is &Country_Purchase1 ";
select &PurchaseName,
       sum(Total_Retail_Price) as Purchases format = comma12.2
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
and   year(Order_Date) = 2007
and   Country contains "&Country1"
group by &PurchaseName
order by 2 desc
;
quit;
title;

/*          2.d          */
%let PurchaseName = Country;
proc sql noprint;
select &PurchaseName,
       sum(Total_Retail_Price)
into   :Country1-:Country8,:Country_Purchase1-:Country_Purchase8
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
```

```
and year(Order_Date) = 2007
group by &PurchaseName
order by 2
;
%let PurchaseName = Customer_Name;
reset print;
title "2007 &Country1 Customer Purchases";
title2 "Total &Country1 Purchases is &Country_Purchase1 ";
select &PurchaseName,
       sum(Total_Retail_Price) as Purchases format = comma12.2
from orion.order_fact as f,
     orion.customer as c
where f.Customer_ID = c.Customer_ID
and year(Order_Date) = 2007
and Country contains "&Country1"
group by &PurchaseName
order by 2 desc
;
quit;
title;
```