**Ting Hu**

**1. code:**

/\* 1 \*/  
%let path= /courses/d649d56dba27fe300/STA5067/SAS Data;  
libname orion "&path/orion";  
proc sql;  
title'Single Male Employee Salaries';  
 select Employee\_ID,  
 Salary format = comma10.2,  
 Salary/3 format = comma10.2 as Tax  
 from orion.employee\_payroll  
 where Employee\_Gender = "M"   
 and marital\_status ="S"   
 and Employee\_Term\_Date is not missing  
 order by Salary desc  
 ;  
 quit;  
 title;

**2.code:**

/\* 2 \*/

proc sql;  
title'Austrakian Clothing Products';  
select Supplier\_Name lable='Supplier',  
 Product\_Group lable="Group",  
 Product\_Name lable = "Product"  
 from orion.product\_dim  
 where Product\_Category = "Clothes"  
 and Supplier\_Country = "AU"  
 Order by Product\_name  
 ;  
 quit;

**3.code:**

/\* 3 \*/  
proc sql;  
proc sql;  
title'Customers older than 50';  
select Customer\_ID format=z6.,  
 Customer\_LastName,  
 Customer\_FirstName,  
 Gender,  
 INT(YRDIF(Birth\_Date,'31DEC2007'd,'ACTUAl')) as Age   
 from orion.customer  
 Where INT(YRDIF(Birth\_Date,'31DEC2007'd,'ACTUAl'))>50  
 and Country = "US"  
 order by Age desc,  
 Customer\_LastName ,  
 Customer\_FirstName  
 ;  
 quit;  
 title;

**4.code:**  
/\* 4 \*/

proc sql;  
title 'Cities Where Employees Live';  
select City,  
 Count(\*) as Count   
from orion.employee\_Addresses  
group by City  
;  
quit;

**5.code:**

/\* 5 \*/

proc sql;  
title 'Age at Employment';  
select Birth\_Date format=MMDDYY10. as birthday,  
 Employee\_Hire\_Date format=MMDDYY10. as employday,  
 INT((Employee\_Hire\_Date-Birth\_Date)/365.25) as Age  
from orion.employee\_payroll  
order by calculated Age desc  
;  
quit;

**6,code:**

/\* 6 \*/

proc sql;  
title'Customer Demographics:Gender by Country';  
select Country,  
 count(Customer\_Name) as count,  
 sum(find(Gender,"M","i")) as Male\_Customers,  
 sum(find(Gender,"F","i")) as Female\_Customers,  
 calculated Male\_Customers/count(Gender)  
 format percent9.2 as Percent\_Male  
 from orion.customer  
 group by Country  
 order by calculated Percent\_Male  
 ;  
 quit;  
 title;

**7.code:**

proc sql;  
title'Countries with more Femal than Male Customers';  
select Country,  
 count(Customer\_Name) as count,  
 sum(find(Gender,"M","i")) as Male\_Customers,  
 sum(find(Gender,"F","i")) as Female\_Customers  
 from orion.customer  
 group by Country  
 having calculated Female\_Customers>calculated Male\_Customers  
 order by calculated Female\_Customers desc   
 ;  
 quit;  
 title;