

```
%let path=/courses/d649d56dba27fe300/STA5067/SAS Data;
libname orion "&path/orion";
/*      1      */
proc sql;
title "Customer_ID who placed orders";
select Customer_ID
from orion.order_fact
intersect all
select Customer_ID
from orion.customer
;
quit;
title;

/*      2      */
proc sql;
select count(Employee_Id) 'Employees who did not make any donation'
from (select Employee_ID
      from orion.employee_organization as o
      except
      select Employee_ID
      from orion.employee_donations as d)
;
quit;

/*      3      */
proc sql;
select count(*) 'Total Customer_ID who placed orders'
from (select *
      from orion.order_fact
      intersect corr all
      select *
      from orion.customer)
;
quit;

/*      4      */
proc sql;
title 'Sales Reps Who Made No Sale in 2007';
create table t as
select a.Employee_ID,
      Employee_Name as Name
from orion.employee_addresses as a,
      (select Employee_ID
      from orion.sales
      except
      select Employee_ID
      from orion.order_fact
      where year(order_Date) = 2007) as f
where a.Employee_ID = f.Employee_ID
```

```
;
quit;
title;

/*      5      */
proc sql;
title "Customers Who Made orders";
select Customer_ID,
       Customer_Name
from orion.Customer
intersect corr
select *
from (select c.Customer_ID,
            Customer_Name
      from orion.Customer as c,
           orion.order_fact as f
      where c.Customer_ID = f.Customer_ID)
;
quit;
title;
```

```
/*      6      */
proc sql;
title "Payroll Report for Sales Representatives";
select 'Total Paid to All Female Sales Representatives,SUM(Salary)',
       sum(Salary) frommat = comma12.,
       'Total number of Females Rep',
       count(Gender)
from orion.sales
where Gender = "F"
and Job_Title contains "Rep"
union
select 'Total Paid to All Male Sales Representatives,SUM(Salary)',
       sum(Salary) frommat = comma12.,
       'Total number of Males Rep',
       count(Gender)
from orion.sales
where Gender = "M"
and Job_Title contains "Rep"
;
quit;
title;
```

```
/*      7      */
proc sql;
title "Outer Union with CORR keyword";
select *
from orion.qtr1_2007
outer union corr
select *
from orion.qtr2_2007
```

```
;
quit;
title;
```

```
/*      8.a      */
```

```
proc sql;
title "Union operator for data in QTR1_2007 and QTR2_2007";
select *
from orion.qtr1_2007
union
select *
from orion.qtr2_2007
;
quit;
title;
```

```
/*      8.b      */
```

```
proc sql;
title "Outer Union whithout CORR kerword for data in QTR1_2007 and QTR2_2007";
select *
from orion.qtr1_2007
outer union
select *
from orion.qtr2_2007
;
quit;
title;
```

