Hw07 Ting Hu th19d

/\*1\*/  
libname prg '/courses/d649d56dba27fe300/STA5066';  
proc contents data=prg.discount2016;run;  
proc print data=prg.discount2016(obs=7) ;run;  
data work.extended;  
 set prg.discount2016;  
 where Start\_Date='01Dec2016'd;  
 Promotion='Holidays Bonus';  
 drop Unit\_Sales\_Price;  
 Season='Winter';  
 output;  
 Start\_Date='01Jul2017'd;  
 End\_Date='31Jul2017'd;  
 Season='Summer';  
 output;  
run;  
proc print data=extended;run;  
  
  
  
/\*2\*/  
libname lands '/courses/d649d56dba27fe300/STA5066';  
  
proc print data=lands.country;run;  
  
data work.new\_country;  
 set lands.country;  
 Outdated='N';  
 output;  
  
 if Country\_FormerName ne ' '   
 then do;  
 outdated='Y';  
 Country\_Name=Country\_FormerName;  
 output;  
 end;  
run;  
  
proc print data=work.new\_country;run;  
  
/\*3\*/  
libname nh3 '/courses/d649d56dba27fe300/STA5066';  
  
data work.males work.females;  
 set nh3.adultdemographics;  
  
 select;  
 when (Sex=1) output work.males;  
 when (Sex=2) output work.females;  
 otherwise;  
 end;  
 drop Sex;  
run;  
  
proc print data=work.males(obs=3);run;  
  
proc print data=work.females(obs=3);run;  
  
proc contents data=work.males;run;  
  
proc contents data=work.females;run;  
  
/\*4\*/  
libname fact '/courses/d649d56dba27fe300/STA5066';  
  
proc contents data=fact.orders;run;  
  
proc print data=fact.orders(obs=10);run;  
  
data work.fast work.slow work.slowest;  
 set fact.orders;  
 ShipDays=Delivery\_Date-Order\_Date;  
  
 select;  
 when (ShipDays<3) output work.fast;  
 when (ShipDays>=5 and ShipDays<=7) output work.slow;  
 when (ShipDays>7) output work.slowest;  
 otherwise;  
 end;  
 drop Employee\_ID;  
run;  
  
proc print data=work.fast;run;  
  
proc print data=work.slow;run;  
  
proc print data=work.slowest;run;  
  
/\*5\*/  
libname hr '/courses/d649d56dba27fe300/STA5066';  
  
proc contents data=hr.employee\_organization;run;  
  
proc print data=hr.employee\_organization(obs=5);run;  
  
data work.sales(keep=Employee\_ID Job\_Title Manager\_ID)   
 work.exec(keep=Employee\_ID Job\_Title);  
 set hr.employee\_organization;  
  
 select (Department);  
 when ('Sales Management') output work.sales;  
 when ('Executives') output work.exec;  
 otherwise ;  
 end;  
run;  
  
proc print data=work.sales(obs=5);run;  
  
proc print data=work.exec;run;  
  
/\*6\*/  
libname comp '/courses/d649d56dba27fe300/STA5066';  
  
proc contents data=comp.orders;run;  
  
proc print data=comp.orders(obs=11);run;  
  
data work.instore(keep=Order\_ID Customer\_ID Order\_Date)   
 work.delivery(keep=Order\_ID Customer\_ID Order\_Date ShipDays);  
 set comp.orders;  
 ShipDays=Delivery\_Date-Order\_Date;  
  
 select;  
 when (ShipDays=0) output work.instore;  
 otherwise output work.delivery;  
 end;  
run;  
  
proc print data=work.delivery(obs=12);run;  
  
proc print data=work.instore(obs=25);run;  
  
  
/\*7\*/  
libname prg2 '/courses/d649d56dba27fe300/STA5066';  
  
proc freq data=prg2.employee\_organization;  
 tables department;  
run;  
  
data work.admin work.stock work.purchasing;  
 set prg2.employee\_organization;  
  
 select (Department);  
 when ('Administration') output work.admin;  
 when ('Stock & Shipping') output work.stock;  
 when ('Purchasing') output work.purchasing;  
 otherwise ;  
 end;  
run;  
  
proc print data=work.admin(OBS=3);run;  
  
proc print data=work.stock(OBS=3);run;  
  
proc print data=work.purchasing(OBS=3);run;