# Hw13

Ting Hu th19d

libname data "/courses/d649d56dba27fe300/STA5066";  
  
/\* 1 \*/  
data work.current;  
 set data.price\_current;  
run;  
  
data work.new;  
 set data.price\_new;  
run;  
  
proc contents data=work.current;run;  
  
proc contents data=work.new;run;  
  
proc append base=work.current data=work.new;run;  
  
proc contents data=work.current;run;

/\* 2 \*/  
proc contents data=data.qtr1\_2007;run;  
  
proc contents data=data.qtr2\_2007;run;  
/\*  
proc contents data = work.ytd;run;  
\*/  
  
proc append base=work.ytd data=data.qtr1\_2007;run;  
  
proc contents data=work.ytd;run;  
  
proc append base=work.ytd data=data.qtr2\_2007 force;run;  
  
proc contents data=work.ytd;run;

/\* 3 \*/  
proc contents data=data.mnth7\_2007;run;  
  
proc contents data=data.mnth8\_2007;run;  
  
proc contents data=data.mnth9\_2007;run;  
  
data work.thirdqtr;  
 set data.mnth7\_2007 data.mnth8\_2007 data.mnth9\_2007;  
run;  
  
proc contents data=work.thirdqtr;run;

proc contents data=data.sales;run;  
  
proc contents data=data.nonsales;run;  
  
data work.allemployees;  
 set data.sales data.nonsales(rename=(First=First\_Name Last=Last\_Name));  
 keep Employee\_ID First\_Name Last\_Name Job\_Title Salary;  
run;  
  
proc print data=work.allemployees(obs=100);run;

/\* 5 \*/  
proc contents data=data.employee\_payroll;run;  
  
proc contents data=data.employee\_addresses;run;  
  
proc sort data=data.employee\_payroll out=work.payroll;  
 by Employee\_ID;  
run;  
  
proc sort data=data.employee\_addresses out=work.addresses;  
 by Employee\_ID;  
run;  
  
data work.payadd;  
 merge work.payroll work.addresses;  
 by Employee\_ID;  
run;  
  
proc contents data=work.payadd;run;

/\* 6 \*/  
proc sort data=data.employee\_addresses out=work.addresses;  
 by Employee\_ID;  
run;  
  
proc sort data=data.employee\_payroll out=work.payroll;  
 by Employee\_ID;  
run;  
  
proc sort data=data.employee\_organization out=work.organization;  
 by Employee\_ID;  
run;  
  
proc contents data=work.addresses;run;  
  
proc contents data=work.payroll;run;  
  
proc contents data=work.organization;run;  
  
data work.payaddorg;  
 merge work.addresses work.payroll work.organization;  
 by Employee\_ID;  
run;  
  
proc print data=work.payaddorg;run;

/\* 7 \*/  
proc sort data=data.product\_list out=work.product;  
 by supplier\_id;  
run;  
  
proc sort data=data.supplier out=work.suppliersort;  
 by supplier\_id;  
run;  
  
data work.prodsup;  
 merge work.product(in=p) work.suppliersort(in=s);  
 by supplier\_id;  
 if p=0 and s=1;   
run;  
  
proc print data=work.prodsup;run;

/\* 8 \*/  
proc print data=data.lookup\_country;run;  
  
proc print data=data.customer;run;  
  
proc sort data=data.customer out=work.customer;  
 by country;  
run;  
  
data work.allcustomer;  
 merge data.lookup\_country(rename=(Start=Country Label=Country\_Name) in=co)   
 work.customer(in=cu);  
 by Country;  
  
 if co=1 and cu=1;  
run;  
  
proc print data=work.allcustomer;run;

/\* 9 \*/  
/\*  
SEQN is the common variable  
\*/  
proc contents data=data.labsub2;run;  
  
proc contents data=data.examsub2;run;  
  
/\*  
Sort two datasets by SEQN  
\*/  
proc sort data=data.labsub2 out=work.lab;  
 by SEQN;  
run;  
  
proc sort data=data.examsub2 out=work.exam;  
 by SEQN;  
run;  
  
/\*   
Merge two datasets and create three new datasets  
\*/  
data work.ExamOnly work.LabOnly work.LabAndExam;  
 length SEQN 7;  
 merge work.lab(in=lab) work.exam(in=exam);  
 by SEQN;  
  
 if lab=0 and exam=1 then  
 output work.ExamOnly;  
 else if lab=1 and exam=0 then  
 output work.LabOnly;  
 else if lab=1 and exam=1 then  
 output work.LabAndExam;  
run;  
  
proc contents data=work.ExamOnly;run;  
  
proc contents data=work.LabOnly;run;  
  
proc contents data=work.LabAndExam;run;