libname sasDset '/home/u62109636/my\_shared\_file\_links/jhshows0/STA5066';

\*\*\*\*\*\*\*\*\*\*\*\*Exercise One\*\*\*\*\*\*\*\*\*\*\*;

**data** current; /\*1\*/

set sasdset.price\_current;

**run**;

**data** new;

set sasdset.price\_new;

**run**;

**proc** **contents** data=current; /\*2\*/

**run**;

**proc** **contents** data=new;

**run**;

**proc** **append** /\*3\*/

base=current

data=new;

**run**;

**proc** **contents** data=current; /\*4\*/

title "the total obs should be 259";

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Two\*\*\*\*\*\*\*\*\*\*\*;

**proc** **contents** data=sasdset.qtr1\_2007; /\*1\*/

**run**;

**proc** **contents** data=sasdset.qtr2\_2007;

**run**;

/\*the variable employee\_ID in qtr2\_2007 is not found in qtr1\_2007\*/

**proc** **append** /\*2\*/

base=work.yed

data=sasdset.qtr1\_2007;

**run**;

**proc** **contents** data=work.yed; /\*3\*/

**run**;

/\*nothing was appended, so a force option will be used\*/

**proc** **append** /\*4\*/

base=work.yed

data=sasdset.qtr2\_2007

force;

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Three\*\*\*\*\*\*\*\*\*\*\*;

**proc** **contents** data=sasDset.mnth7\_2007; /\*1\*/

**run**;

**proc** **contents** data=sasDset.mnth8\_2007;

**run**;

**proc** **contents** data=sasDset.mnth9\_2007;

**run**;

**data** thirdqtr; /\*2\*/

set sasDset.mnth7\_2007 sasDset.mnth8\_2007 sasDset.mnth9\_2007;

**run**;

**proc** **contents** data=work.thirdqtr; /\*3\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Four\*\*\*\*\*\*\*\*\*\*\*;

**proc** **contents** data=sasdset.sales; /\*1\*/

**run**;

**proc** **contents** data=sasdset.nonsales;

**run**;

/\*variables first\_name and last\_name in Sales are first and last in Nonsales\*/

**data** allemployees; /\*2\*/

set sasdset.sales sasdset.nonsales(rename=(First=First\_Name Last=Last\_Name));

keep Employee\_ID First\_Name Last\_Name Job\_Title Salary; /\*3\*/

**run**;

**proc** **print** data=work.allemployees (obs=**100**); /\*4\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Five\*\*\*\*\*\*\*\*\*\*\*;

**proc** **contents** data=sasdset.employee\_payroll; /\*1\*/

**run**;

**proc** **contents** data=sasdset.employee\_addresses;

**run**;

**proc** **sort** data=sasdset.employee\_payroll out=work.payroll; /\*2\*/

by Employee\_ID;

**run**;

**proc** **sort** data=sasdset.employee\_addresses out=work.addresses; /\*3\*/

by Employee\_ID;

**run**;

**data** payadd; /\*4\*/

merge payroll addresses;

**run**;

**proc** **contents** data=work.payadd; /\*5\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Six\*\*\*\*\*\*\*\*\*\*\*;

**proc** **sort** data=sasdset.employee\_addresses out=work.addresses; /\*1\*/

by Employee\_ID;

**run**;

**proc** **sort** data=sasdset.employee\_payroll out=work.payroll; /\*2\*/

by Employee\_ID;

**run**;

**proc** **sort** data=sasdset.employee\_organization out=work.organization; /\*3\*/

by Employee\_ID;

**run**;

**proc** **contents** data=work.addresses; /\*4\*/

**run**;

**proc** **contents** data=work.payroll;

**run**;

**proc** **contents** data=work.organization;

**run**;

**data** payaddorg; /\*5\*/

merge work.addresses work.payroll work.organization;

**run**;

**proc** **print** data=work.payaddorg; /\*6\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Seven\*\*\*\*\*\*\*\*\*\*\*;

**proc** **sort** data=sasdset.product\_list out=product; /\*1\*/

by supplier\_ID;

**run**;

**proc** **sort** data=sasdset.supplier out=suppliersort; /\*2\*/

by supplier\_ID;

**run**;

**data** prodsup; /\*3\*/

merge work.product(in=x)

work.suppliersort(in=y);

by supplier\_ID;

if x=**1** and y=**0**;

**run**;

**proc** **print** data=work.prodsup; /\*4\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Eight\*\*\*\*\*\*\*\*\*\*\*;

**proc** **print** data=sasdset.lookup\_country; /\*1\*/

**run**;

**proc** **print** data=sasdset.customer; /\*2\*/

**run**;

**proc** **sort** data=sasdset.customer out=customer; /\*3\*/

by Country;

**run**;

**data** allcustomer; /\*4\*/

set sasdset.lookup\_country(in=n);

rename Start=Country; /\*4a\*/

rename Label=Country\_Name;

merge customer(in=m);

by Country;

if m=**1** and n=**1**; /\*4b\*/

**run**;

**proc** **print** data=allcustomer; /\*5\*/

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*Exercise Nine\*\*\*\*\*\*\*\*\*\*\*;

**proc** **sort** data=sasdset.labsub2 out=work.lab; /\*1\*/

by seqn;

**run**;

**proc** **sort** data=sasdset.examsub2 out=work.exam; /\*2\*/

by seqn;

**run**;

**data** ExamOnly LabOnly LabAndExam; /\*3\*/

merge work.exam(in=ex)

work.lab(in=la);

by seqn;

if ex=**1** and la=**0** then output ExamOnly; /\*3a\*/

if ex=**0** and la=**1** then output LabOnly; /\*3b\*/

if ex=**1** and la=**1** then output LabAndExam; /\*3c\*/

**run**;

**proc** **contents** data=work.ExamOnly; /\*4\*/

**run**;

**proc** **contents** data=work.LabOnly;

**run**;

**proc** **contents** data=work.LabAndExam;

**run**;