

```
/* Task 2 Tab Delimited */
```

```
DATA work.Heart_from_Text;
```

```
  Length Status $ 10
         DeathCause $ 25
         AgeCHDdiag 3
         Sex $ 10
         AgeAtStart 3
         Height 3
         Weight 3
         Diastolic 3
         Systolic 3
         MRW 3
         Smoking 3
         AgeAtDeath 3
         Cholesterol 3
         Chol_Status $10
         BP_Status $10
         Weight_Status $15
         Smoking_Status $20 ;
```

```
INFILE '/home/u58149251/Data Sources/Heart (Tab-delimited Format) TXT.txt'
```

```
  Firstobs=2
```

```
  DSD
```

```
  Delimiter='09'x
```

```
  Missover;
```

```
Input Status      : $5.
      DeathCause  : $25.
      AgeCHDdiag  : 5.
      Sex         : $6.
      AgeAtStart  : 5.
      Height      : 5.
      Weight      : 5.
      Diastolic   : 5.
      Systolic    : 5.
      MRW         : 5.
      Smoking     : 5.
      AgeAtDeath  : 5.
      Cholesterol : 5.
      Chol_Status : $5.
      BP_Status   : $5.
      Weight_Status : $5.
      Smoking_Status : $5.;
```

```
run;
```

```
/*Task 2 CSV File */
```

```
DATA work.Heart_from_CSV ;
```

```
  Length Status $ 10
         DeathCause $ 25
         AgeCHDdiag 3
         Sex $ 10
         AgeAtStart 3
         Height 3
         Weight 3
         Diastolic 3
         Systolic 3
```

```

MRW 3
Smoking 3
AgeAtDeath 3
Cholesterol 3
Chol_Status $10
BP_Status $10
Weight_Status $15
Smoking_Status $20 ;
Infile '/home/u58149251/Data Sources/Heart CSV.csv'
Missover
DSD
Delimiter=', '
Firstobs=2 ;
Input Status : $5.
DeathCause : $25.
AgeCHDdiag : 5.
Sex : $6.
AgeAtStart : 5.
Height : 5.
Weight : 5.
Diastolic : 5.
Systolic : 5.
MRW : 5.
Smoking : 5.
AgeAtDeath : 5.
Cholesterol : 5.
Chol_Status : $5.
BP_Status : $5.
Weight_Status : $5.
Smoking_Status : $5.;

run;
/*Task 3 Tab Delimited */
%web_drop_table(WORK.IMPORT);

FILENAME REFFILE '/home/u58149251/Data Sources/Heart (Tab-delimited Format) TXT.txt';

PROC IMPORT DATAFILE=REFFILE
  DBMS=DLM
  OUT=WORK.IMPORT;
  GETNAMES=YES;
RUN;

PROC CONTENTS DATA=WORK.IMPORT; RUN;

%web_open_table(WORK.IMPORT);
/* Task 3 CSV */
%web_drop_table(WORK.IMPORT1);

FILENAME REFFILE '/home/u58149251/Data Sources/Heart CSV.csv';

PROC IMPORT DATAFILE=REFFILE

```

```
DBMS=CSV
OUT=WORK.IMPORT1;
GETNAMES=YES;
RUN;

.....

PROC CONTENTS DATA=WORK.IMPORT1; RUN;

.....

%web_open_table(WORK.IMPORT1);
/* Task 3 XLSX */
%web_drop_table(WORK.IMPORT2);

.....

FILENAME REFFILE '/home/u58149251/Data Sources/Heart XLSX.xlsx';

.....

PROC IMPORT DATAFILE=REFFILE
  DBMS=XLSX
  OUT=WORK.IMPORT2;
  GETNAMES=YES;
RUN;

.....

PROC CONTENTS DATA=WORK.IMPORT2; RUN;

.....

%web_open_table(WORK.IMPORT2);
/* Task 4 Heart */
PROC PRINT DATA = '/home/u58149251/Data Sources/heart.sas7bdat' ;
  run;
/* Task 4 Heart_MedCenter */
PROC PRINT DATA= '/home/u58149251/Data Sources/heart_medcenter.sas7bdat' ;
  run;
/* Task 5 Heart */
LIBNAME MYDATA_3 XLSX '/home/u58149251/Data Sources/Heart XLSX.xlsx' ;

.....

DATA Work.Heart_from_XLSX ;
  SET MYDATA_3.Heart ;
run;
/* Task 5 Heart_MedCenter */
LIBNAME MYDATA4 XLSX '/home/u58149251/Data Sources/Heart_MedCenter.xlsx' ;

.....

DATA Work.Heart_MedCenter ;
  SET MYDATA4.Heart_MedCenter ;
run;
/* Task 7 */
PROC FREQ data = work.Heart_from_XLSX ;
  Table DeathCause / MISSING ;
  Table AGECHDDIAG / MISSING;
  Table AgeAtDeath / MISSING ;
  Table Cholesterol / MISSING ;
  Table Chol_Status / MISSING;
run;
/* Task 8 */
PROC SORT data= MYDATA_3.heart
  Out = work.Heart_Sorted_NoDupObs
```

```
NoDuprecs ;
BY SEX ;

run;
/* Task 9 */
PROC MEANS data= mydata_3.heart ;
  WHERE Sex = 'Female' ;
run;

PROC MEANS data=mydata_3.heart ;
  WHERE Status = 'Alive' ;
run;
/* Task 10 */
PROC SORT data= mydata_3.heart
  Out= work.Heart_Sorted_Ascending ;
  BY Cholesterol ;
run;
PROC PRINT data= work.heart_sorted_ascending n ;
run;

PROC SORT data= mydata_3.heart
  Out= work.Heart_Sorted_Descending ;
  BY descending Cholesterol ;
run;
PROC PRINT data=work.heart_sorted_descending n;
run;
/* Task 11 */
PROC TRANSPOSE data=mydata_3.heart
  Out= work.Heart_Transposed ;
run;
/* Task 12 */
DATA work.Array ;
  SET work.Heart_Transposed ;
  array a1 (50) ;
  do i = 1 to 50 ;
    if _Name_ = 'Diastolic' and a1(i) > 80 then a1(i) = . ;
  end;
run;
/* Task 13 */
PROC SORT data= mydata_3.heart
  Out= work.Heart_Sorted ;
  BY Status ;
run;
PROC SORT data= mydata4.heart_medcenter
  Out= work.Heart_MedCenter_Sorted ;
  BY City ;
run;
Data Heart_MedCenter_Merged ;
  Merge work.Heart_Sorted (IN=C)
        work.Heart_MedCenter_Sorted (IN=M) ;
  IF C and M ;
run;
/* Task 14 */
ODS PDF FILE= 'C:\Users\zacha\OneDrive\Final.pdf' ;
ODS PDF Select Final ;
```

```
ODS Excel file= 'C:\Users\zacha\OneDrive\Final2' ;  
ODS Excel Select Final2 ;
```

```
.....  
proc univariate data=mydata_3.heart ;  
    title1;  
run;  
ODS PDF close ;  
ODS Excel Close ;  
/* Task 15 */  
/* Proc Print used in Tasks 4 and 10 */  
/* Proc Freq used in Task 7 */  
/* Proc Means used in Task 9 */  
/* Proc Univariate used in Task 14 */  
.....  
Proc Report data= mydata_3.heart ;  
run;
```