

We have three data sets, ONE, TWO, and THREE. Each data set contains the variables:
ID (IDNUM in data set TWO)

SEX

DOB

SALARY

In addition, data set TWO contains TAXRATE and WITHHOLD; data set THREE contains HEIGHT and WEIGHT .

- a. Write a program to create a single SAS data set ALL which combines the observations from data sets ONE, TWO, and THREE and contains the variables ID, DOB, and SALARY.
- b. Write a program to create a new SAS data set for those people born on or before January 1, 1960, and who earn \$50,000 or more per year.

ONE

ID	SEX	DOB	SALARY
01	M	10/21/46	70000
02	F	11/01/55	68000
07	M	01/27/59	47000

TWO

IDNUM	SEX	DOB	SALARY	TAXRATE	WITHHOLD
03	F	01/01/33	78000	0.36	23000
05	M	03/07/29	37000	0.25	9000

THREE

ID	SEX	DOB	SALARY	HEIGHT	WEIGHT
04	M	10/23/49	65000	68	158
06	F	07/04/65	55000	74	202

```
/****READ ALL THE DATA SETS***NHI VU***/  
options nodate nonumber  LINESIZE=70;  
  
data ONE;  
infile "\\Client\C$\Users\nhivutu\Desktop\Math338\data\ONE.txt";  
input ID SEX $ DOB mmddyy8. SALARY;  
run;  
  
data TWO;  
infile "\\Client\C$\Users\nhivutu\Desktop\Math338\data\TWO.txt";  
input IDNUM SEX $ DOB mmddyy8. SALARY TAXRATE WITHHOLD;  
run;  
  
data THREE;  
infile  
"\\Client\C$\Users\nhivutu\Desktop\Math338\data\THREE.txt";  
input ID SEX $ DOB mmddyy8. SALARY HEIGHT WEIGHT;  
run;
```

(**Note:** data sets ONE and THREE are already sorted in ID order and data set TWO is already sorted in IDNUM order.)

```
/**PART A**NHI VU**/  
data all (keep= ID DOB SALARY);  
merge ONE TWO (rename=(IDNUM=ID)) THREE;  
by ID;  
run;  
  
proc print data=all;  
title "PART A";  
format ID z2. DOB mmddyy10. SALARY dollar7.;  
run;
```

PART A			
Obs	ID	DOB	SALARY
1	01	10/21/1946	\$70,000
2	02	11/01/1955	\$68,000
3	03	01/01/1933	\$78,000
4	04	10/23/1949	\$65,000
5	05	03/07/1929	\$37,000
6	06	07/04/1965	\$55,000
7	07	01/27/1959	\$47,000

```

/****PART B *** NHI VU****/
data newList;
set all;
if DOB <=01/1/1960 and SALARY >=50000 then output;
run;

proc print data=newList;
format ID z2. DOB mmddyy10. SALARY dollar7.;
title "PART B";
run;
quit;

```

		PART B	
Obs	ID	DOB	SALARY
1	01	10/21/1946	\$70,000
2	02	11/01/1955	\$68,000
3	03	01/01/1933	\$78,000
4	04	10/23/1949	\$65,000