Homework #1- Getting Started with SAS

Solution

The answers and explanation where needed, are in Green.

I. How many program steps are executed when the program below is processed?

```
data user.tables;
  infile jobs;
  input date yyddmm8. name $ job $;
run;
proc sort data=user.tables;
  by name;
run;
proc print data=user.tables;
run;
```

   a) Three:

      There's: 1 Data step and 2 Proc Steps

   b) four
   c) five
   d) six

II. Which of the following files is a permanent SAS file?

   a) Sashelp.PrdSale
   b) Sasuser.MySales
   c) Profits.Quarter1
   d) all of the above

      To store a file permanently in a SAS data library, you assign it a libref other than the default Work. For example, by assigning the libref Profits to a SAS data library, you specify that files within the library are to be stored until you delete them. Therefore, SAS files in the Sashelp, Sasuser, and Profits libraries are permanent files.

III.   In a DATA step, how can you reference a temporary SAS data set named Forecast?

   a) Forecast
   b) Work.Forecast
   c) Sales.Forecast (after assigning the libref Sales)
   d) only a and b above

To reference a temporary SAS file in a DATA step or PROC step, you can specify the one-level name of the file (for example, Forecast) or the two-level name using the libref Work (for example, Work.Forecast).

IV.   How many statements does the following SAS program contain?

```
proc print data=clinic.admit
      label double;
   var ID Name Sex Age; where Sex=F;
   label Sex='Gender'; run;
```

   a) three
   b) four
   c) five
   d) six

The five statements are 1) the PROC PRINT statement (two lines long); 2) the VAR statement; 3) the WHERE statement (on the same line as the VAR statement); 4) the LABEL statement; and 5) the RUN statement (on the same line as the LABEL statement).

V.   What is a SAS library?

   a) collection of SAS files, such as SAS data sets and catalogs
   b) in some operating environments, a physical collection of SAS files
   c) a group of SAS files in the same folder or directory
   d) all of the above

Every SAS file is stored in a SAS library, which is a collection of SAS files, such as SAS data sets and catalogs. In some operating environments, a SAS library is a physical collection of files. In others, the files are only logically related. In the Windows and UNIX environments, a SAS library is typically a group of SAS files in the same folder or directory.

VI. True or False:

a- You can place more than one SAS statement on a single line. True

b- You can use several lines for a single SAS statement. True

c- Option and TITLE statements are considered global statements. True