

# GPA1-B Instructions

CTS2456C - Intro to SAS Programming

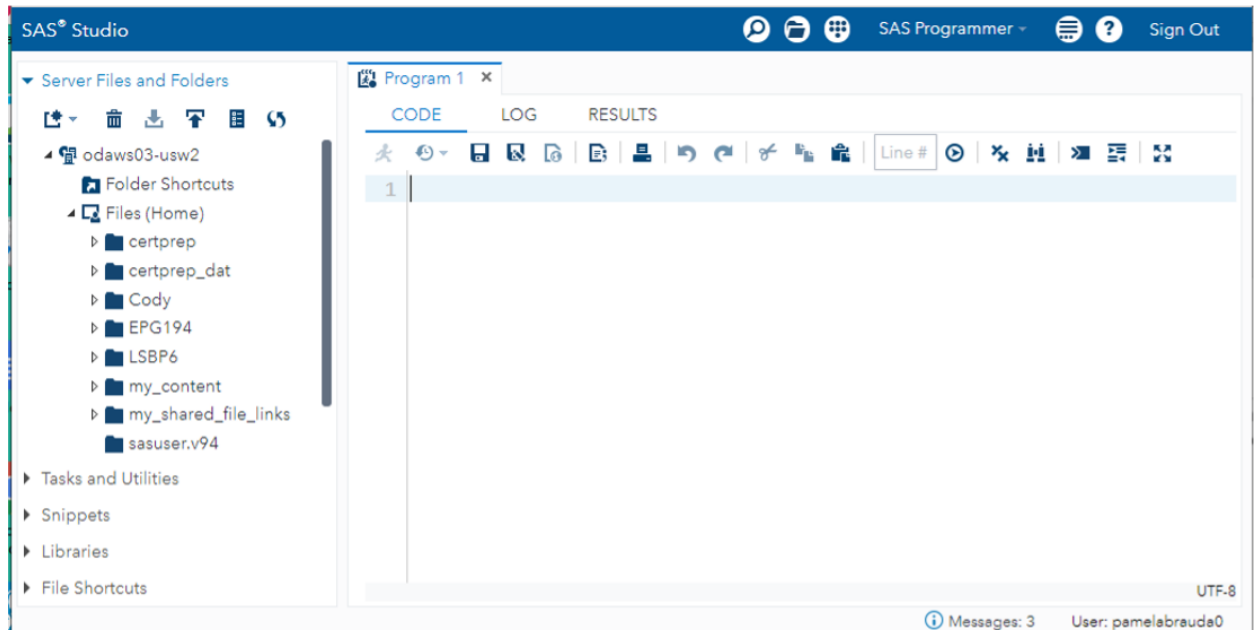
Please be sure to read all instructions in the online classroom for assignment GPA1-B prior to completing the steps below. After completion, be sure to save your file as directed and upload to the assignment in the online classroom.

## Step 1

1. Open PowerPoint and create a New Presentation.
2. Save the file as: *LastNameFirstName\_GPA1-B.pptx* (Example: *StarkTony\_GPA1-B.pptx*)
3. Create a title slide with the assignment name, date, and your name.
4. When instructed (the steps highlighted in yellow), take a screenshot (screen snip) of the area specified in your SAS Studio and paste it onto a blank slide. Size the image so it fills the slide and is readable.
5. At the end of the assignment, save the file one last time and upload it to the online classroom.

## Step 2

1. Start SAS Studio. The main window has a navigation pane on the left and a work area on the right. The work area is used to display your CODE, LOG, and RESULTS tabs.

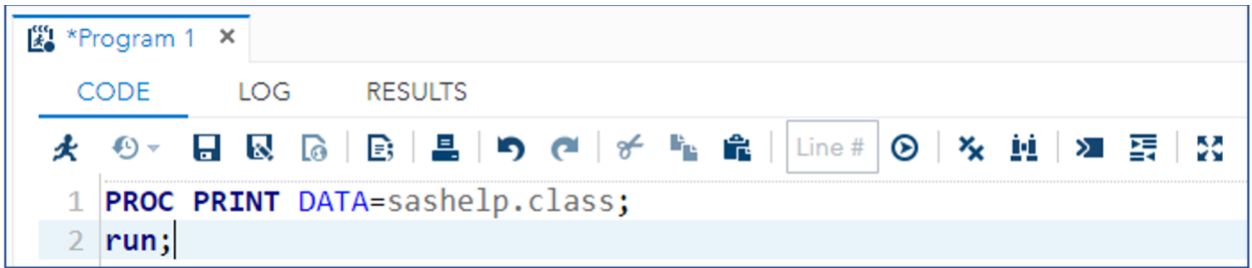



2. On the CODE tab of the Program 1 tab, enter the following PROC PRINT step:  

```
1 PROC PRINT DATA=sashelp.class;  
2 run;
```

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3. On the CODE tab, click Run  or press F3 to submit the program. If the program runs successfully, the RESULTS tab automatically opens and shows the PROC PRINT output.
4. Click the LOG tab and check the log for the two notes below. If you see any warnings or errors, return to the CODE tab, fix any mistakes, and rerun the program.

NOTE: There were 19 observations read from the data set SASHELP.CLASS.  
NOTE: PROCEDURE PRINT used (Total process time):

5. Click the RESULTS tab. Notice that the PROC PRINT output contains an Obs column.

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5


6. Click the CODE tab and add the NOOBS option to eliminate the Obs column. The NOOBS option is in the PROC PRINT statement before the semicolon.

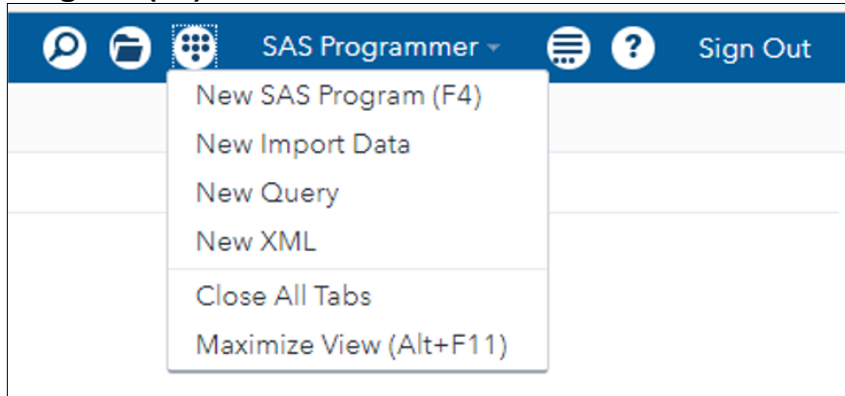
```
1 PROC PRINT DATA=sashelp.class NOOBS;  
2 run;
```

```
1 PROC PRINT DATA=sashelp.class NOOBS;  
2 run;
```

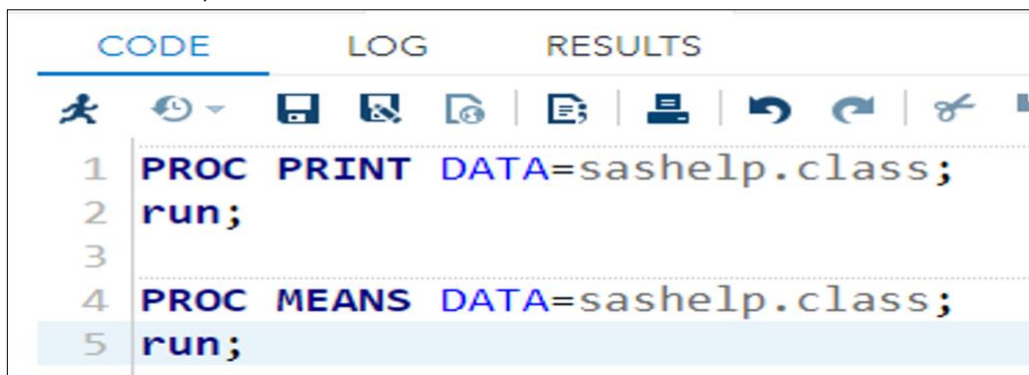
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7. On the CODE tab, click Run  or press F3 to submit the program.
8. View the new information on the RESULTS tab and the LOG tab.
9. Take a screenshot of the title and first 5 rows on the RESULTS tab.
10. Create a new program. Click the **icon with the 7 dots** and select '**New SAS Program (F4)**'.



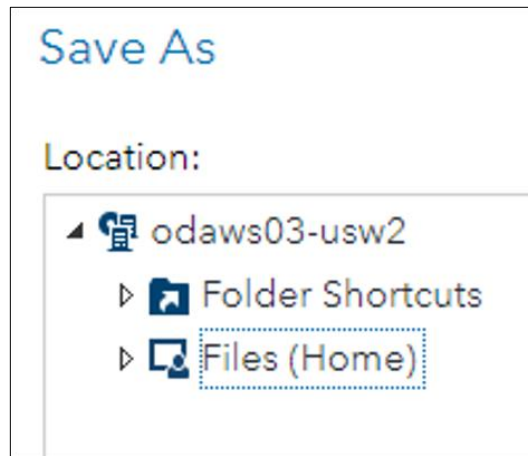
11. On the CODE tab of the Program 2 tab, enter the PROC PRINT step and PROC MEANS step shown below:
  - 1 **PROC PRINT** DATA=sashelp.class;
  - 2 **run;**
  - 3
  - 4 **PROC MEANS** DATA=sashelp.class;
  - 5 **run;**



12. Run the program. On the RESULTS tab, scroll down to the bottom to see the output of the MEANS Procedure.
13. Take a screenshot of the title and the table and paste on a new slide. Make the image large on the slide.
14. Click the CODE tab for **Program 2** and click 'Save As'  to save the program.
15. In the **Location** window, click on the **Files (Home)**:

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16. Type **MyProgram** in the **Name** block and click on the SAVE button.

Name:	<input type="text" value="MyProgram.sas"/>
Save as type:	<input type="text" value="SAS Program (*.SAS)"/> ▼

17. Take a screenshot of the right side of the SAS window showing the **\*Program 1 and MyProgram.sas tabs** just above the CODE LOG RESULTS and the code from the PROC PRINT and PROC MEANS procedures; paste the image onto a new slide.
18. Save your file and upload GPA1-B assignment in the online classroom. Your file should have a title slide and three slides with images that are sized to fill up most of the slide.
19. Log out of SAS Studio.