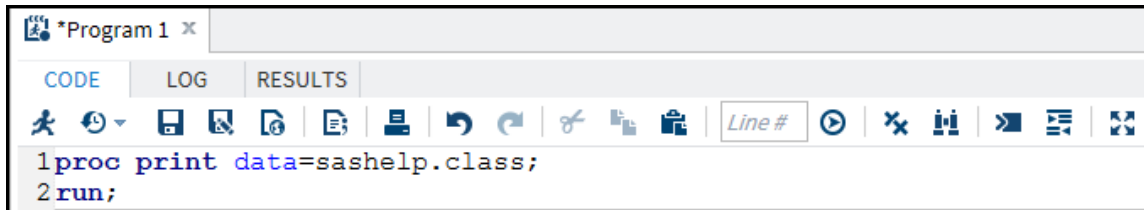



Exploring SAS Studio

Using the Primary Interface Tabs

- a. On the CODE tab of the Program 1 tab, enter the PROC PRINT step shown below.

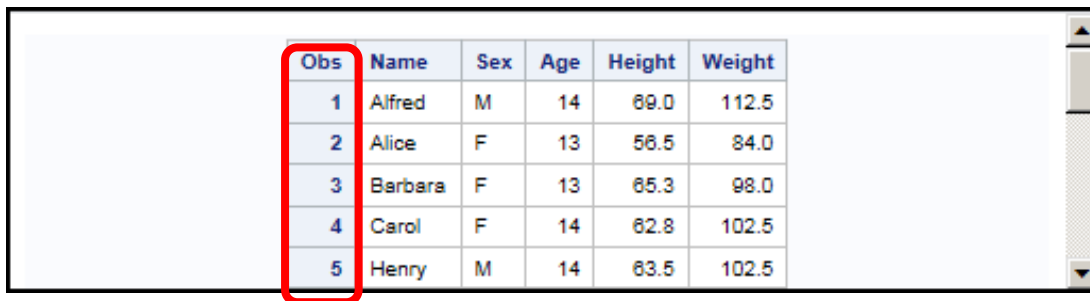


```
1proc print data=sashelp.class;
2run;
```

- b. 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.
- 1) 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):

- 2) 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

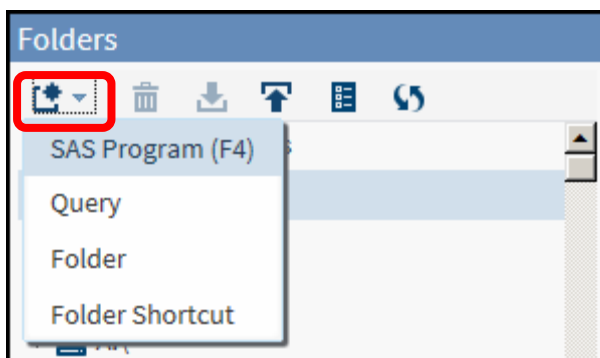
- c. Click the CODE tab and add the NOOBS option to eliminate the **Obs** column.

```
1proc print data=sashelp.class noobs;
2run;
```

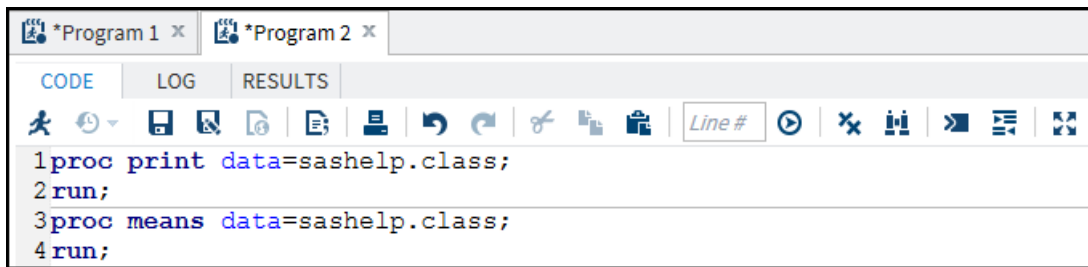




The NOOBS option is in the PROC PRINT statement before the semicolon.

- 1) On the CODE tab, click  (Run) or press F3 to submit the program.
- 2) View the new information on the RESULTS tab and the LOG tab.
- d. Create another program. In the Folders section of the navigation pane, click  (New) ⇒ SAS Program (F4) or press F4.

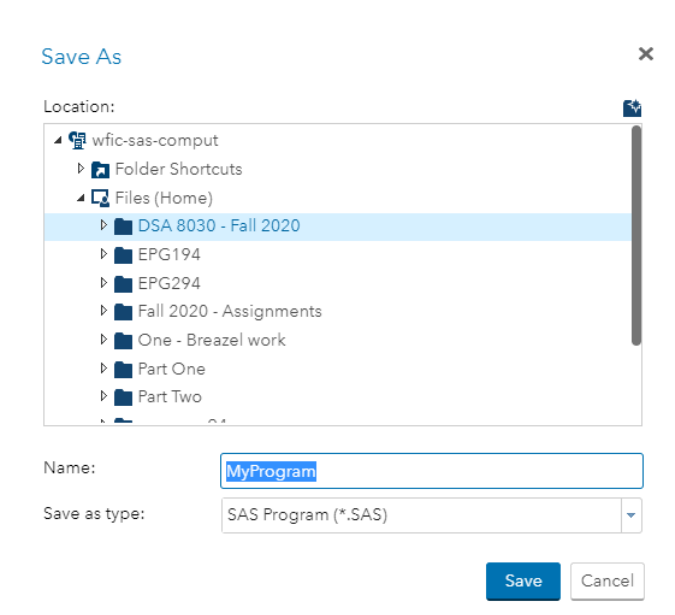


- 1) On the CODE tab of the Program 2 tab, enter the PROC PRINT step and the PROC MEANS step shown below.



- 2) 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 and PROC MEANS output.
- 3) Click the **LOG** tab. Check the log for notes. If you see any warnings or errors, return to the CODE tab, fix any mistakes, and rerun the program.
- 4) Click the **CODE** tab and click  (Save As) to save the program.
- 5) In the Save As window, choose a file location such as **/home/ehpfer/DSA 8030**, name the file **MyProgram**, and click **Save**.

You will probably want to create a folder in your home folder where you keep your programs & data from this course.

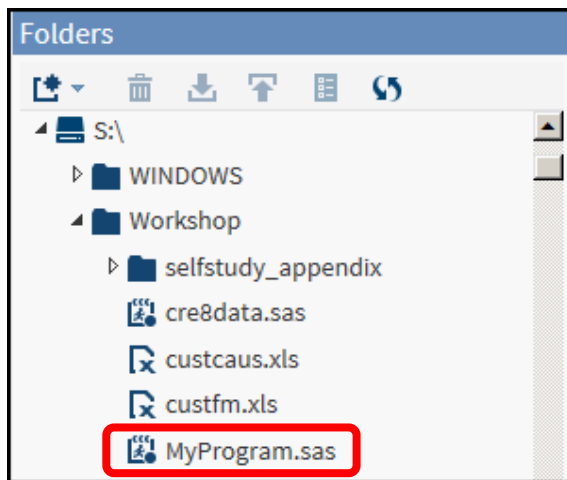



- 6) Notice that the Program 2 tab now appears with the program name. Close the program tab for **MyProgram** by clicking the **X** next to the name.

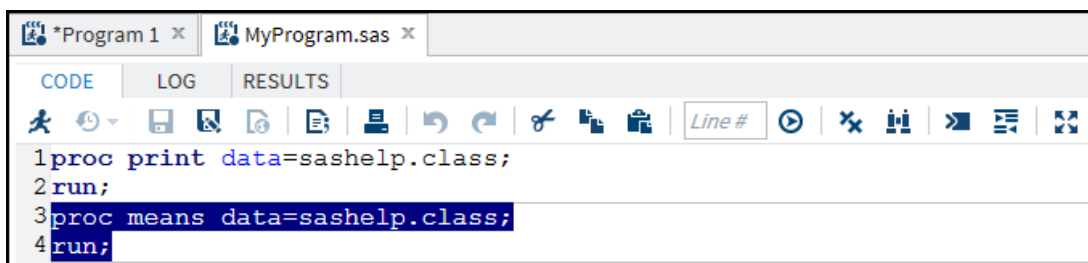


 An asterisk (*) in front of a filename means that the program was not saved.

- e. Open the program that you saved and closed. In the Folders section of the navigation pane, navigate to the file location for **MyProgram.sas**.






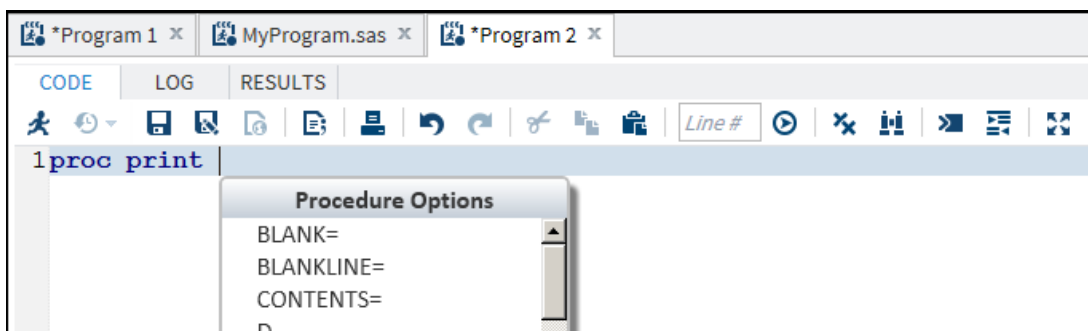
- 1) Double-click **MyProgram.sas** to open the program. Instead of double-clicking, you can drag the program into the work area.
- 2) Submit a portion of the program. On the CODE tab, highlight the PROC MEANS step (two lines of code) and click  (Run) or press F3 to submit the highlighted code.




- 3) View the RESULTS tab and the LOG tab. Notice that the information on the tabs pertains only to the PROC MEANS step.

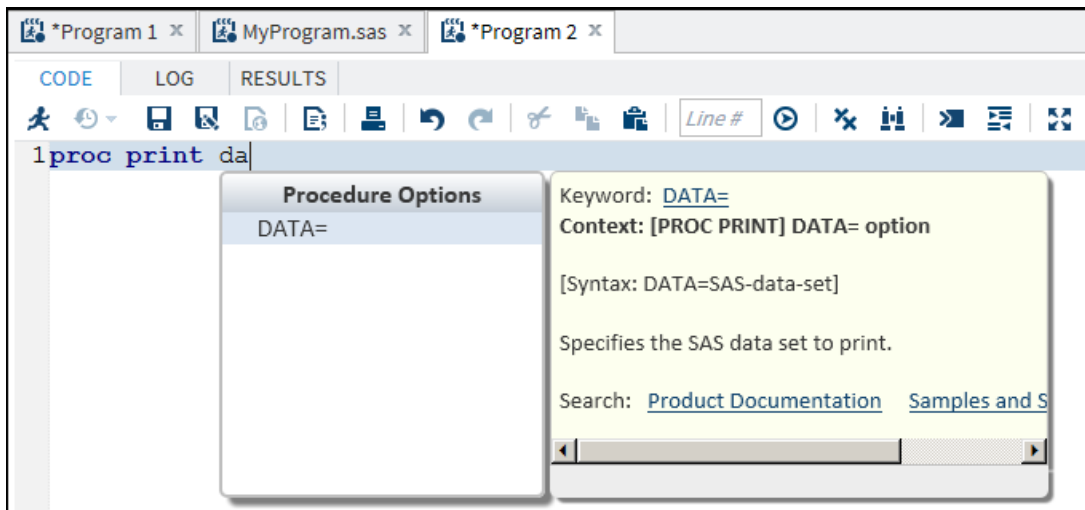
Using the CODE Tab Features

- f. On the CODE toolbar, click  (Maximize View) to maximize the work area and hide the navigation pane.
After you maximize the window, click  (Exit Maximize View) to unhide the navigation pane.
- g. In the Folders section of the navigation pane, click  (New) ⇒ **SAS Program (F4)** or press F4 to start a new program.
 - 1) On the CODE tab of Program 2, start to enter a PROC PRINT step. Notice the autocomplete feature as you type. The autocomplete feature gives you a window of possible keywords that might come next in your program. For example, after you enter **proc print**, a pop-up window appears. The window contains procedure options that pertain to the PRINT procedure.




-  To navigate to the desired keyword in the window, scroll through the list by using the up and down arrow keys, the Page Up or Page Down keys, or drag the scroll bar with your mouse pointer. To add the keyword to your program, double-click the keyword or press the Enter key.

- 2) Start to enter the DATA= option. Syntax Help appears as you narrow the list of keywords. Syntax Help also appears if you right-click a keyword in the program and select **Syntax Help**.

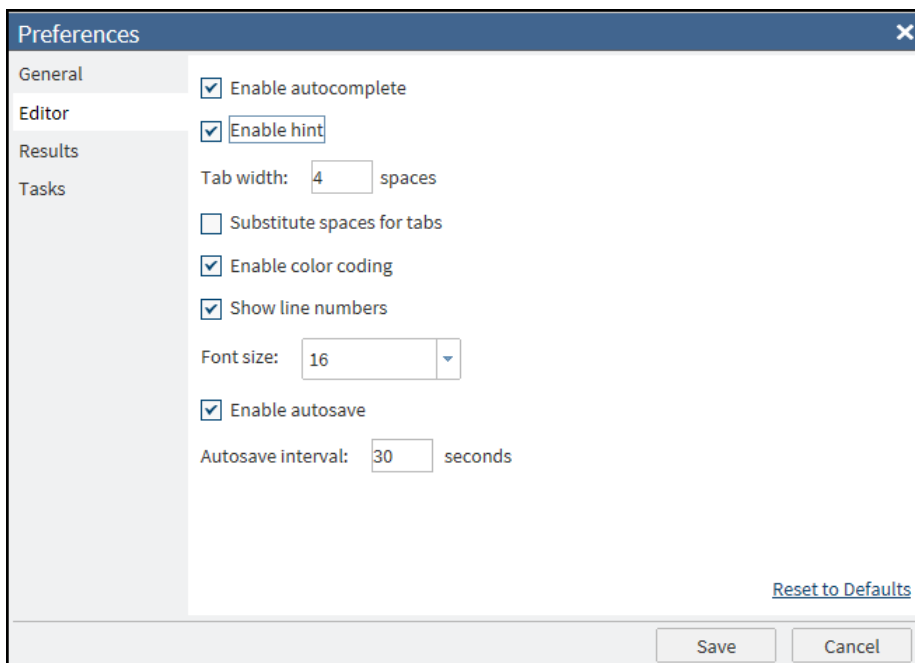


- 3) Complete the PROC PRINT step. Notice the autocomplete feature and Syntax Help as you type.

```
proc print data=sashelp.class;  
run;
```



You can also access Syntax Help by positioning the mouse pointer on a valid keyword in your program, if you enable the feature in the editor preferences. To enable the option, click  (More Application Options) on the main toolbar.

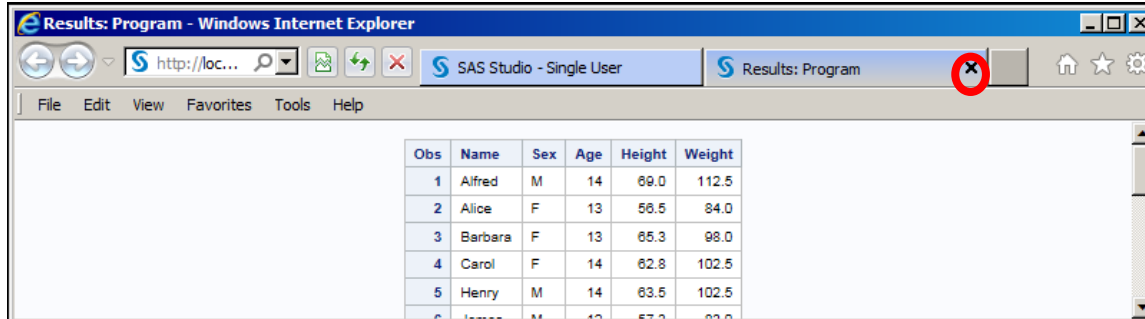
- 4) Select **Preferences** ⇌ **Editor** and notice the list of editor preferences.
- 5) Select the **Enable hint** check box and click **Save**.




- 6) Position your mouse pointer on the word **print** in your program to see the Syntax Help.

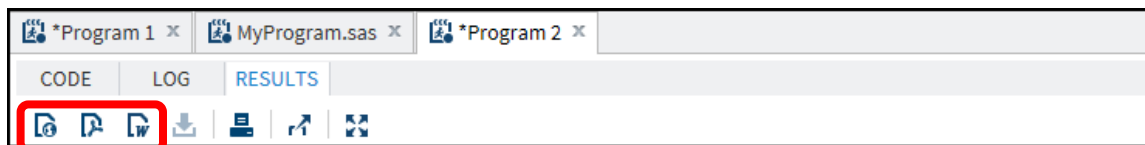
Using RESULTS Tab Features




- h. On the CODE tab of Program 2, click  (**Run**) or press F3 to submit the PROC PRINT step.
If the program runs successfully, the RESULTS tab automatically opens and shows the PROC PRINT output.
- i. By default, the results created on the RESULTS tab are HTML5 output. On the RESULTS toolbar, click  (**Open In A New Browser Tab**) to open the HTML5 output on another browser tab.
- j. After viewing the output in the new browser tab, close the browser tab.

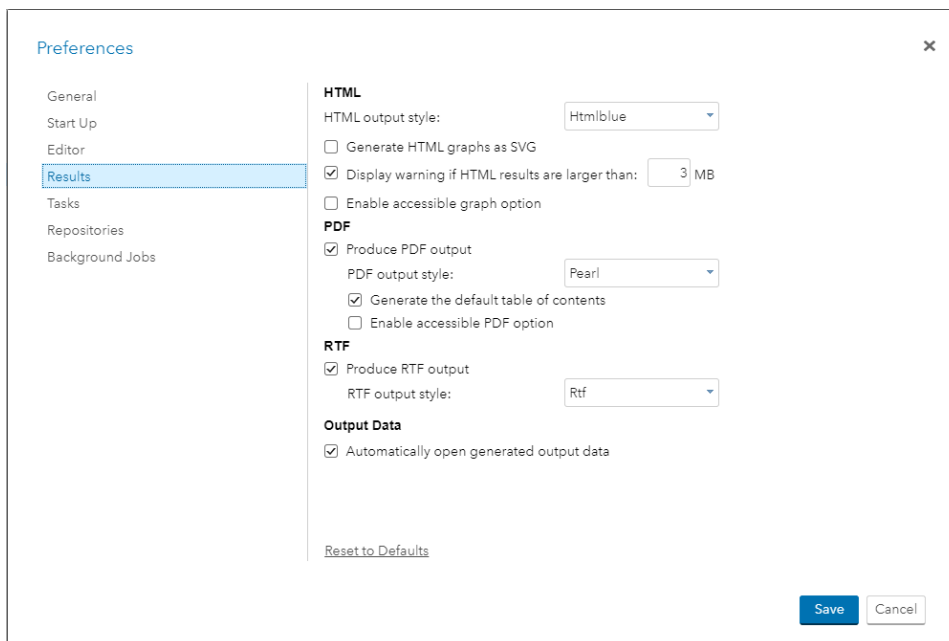


Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.2	82.0

 PDF output and RTF output are created by default in addition to HTML5 output. PDF output and RTF output are not displayed on the RESULTS tab. You can download the HTML5, PDF, and RTF output to a file by clicking the appropriate button.



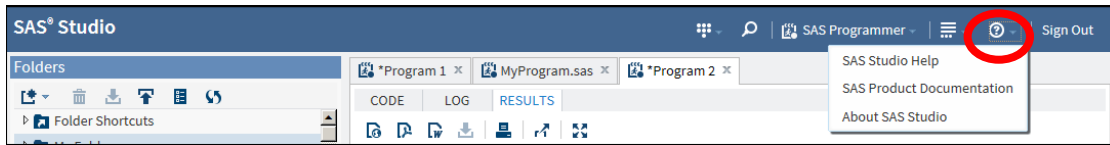
- k. Click  (**Download Results As A PDF File**) or  (**Download Results As An RTF File**) to download the PDF or RTF output. Follow the prompts to open the file. After viewing the file, close the file.
 - l. You can change results preferences in the Preferences window. To access the results preferences, click  (**More Application Options**).
- 1) Select **Preferences** ⇒ **Results** and notice the list of results preferences.




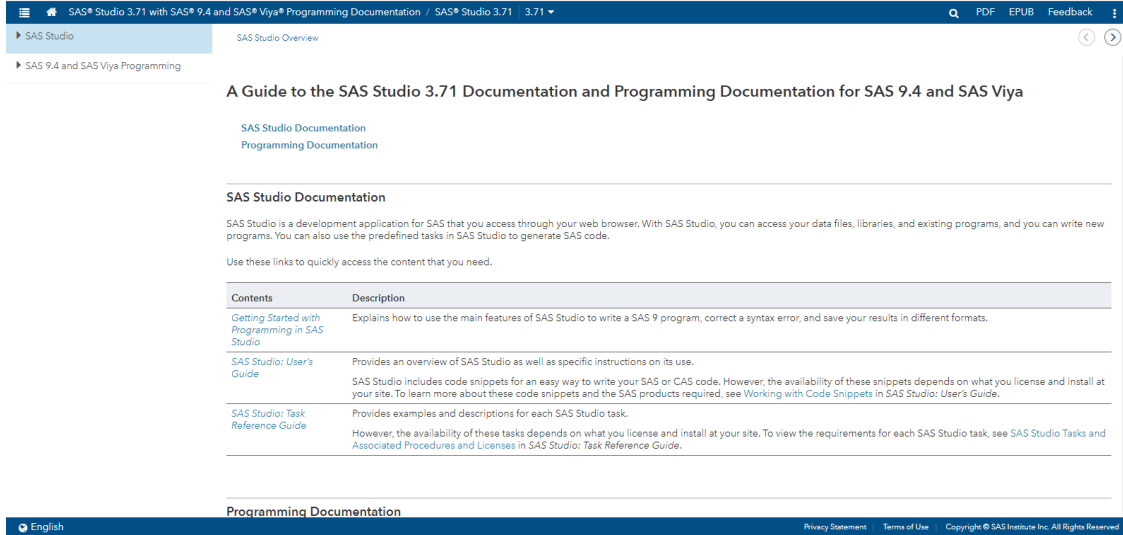
- 2) Click **Cancel** to close the Preferences window.

2. Accessing Help and Documentation


- a. You can access SAS Help and documentation from the main toolbar.

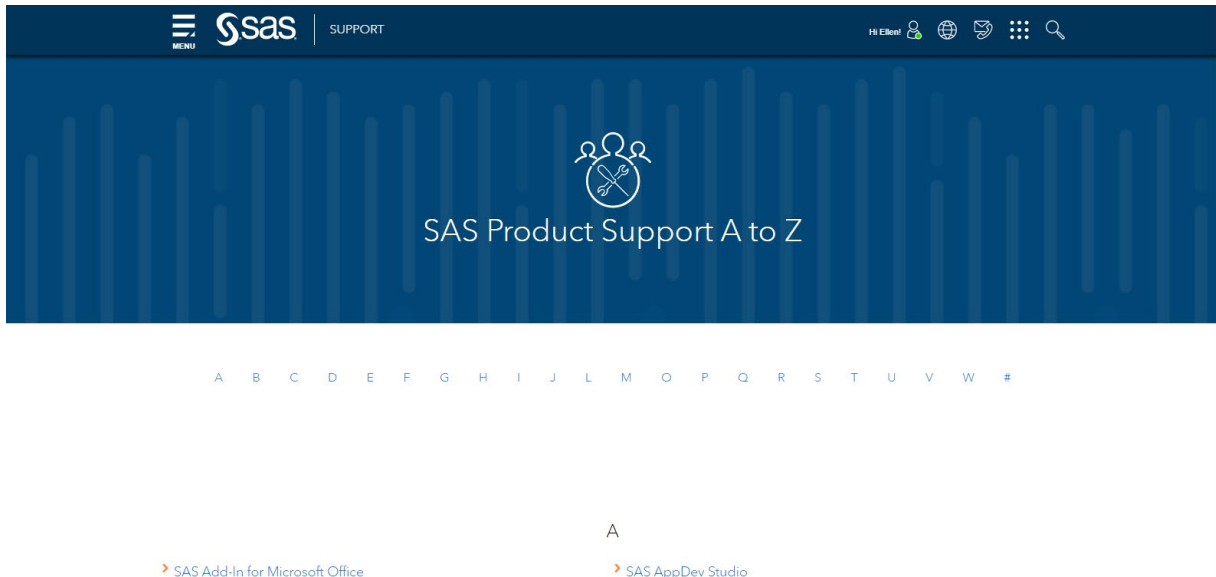


- b. Click  ⇒ **SAS Studio Help** to be directed to the SAS Studio documentation web page. This web page is useful for assistance with navigating the SAS Studio interface. After you view the web page, close the window.



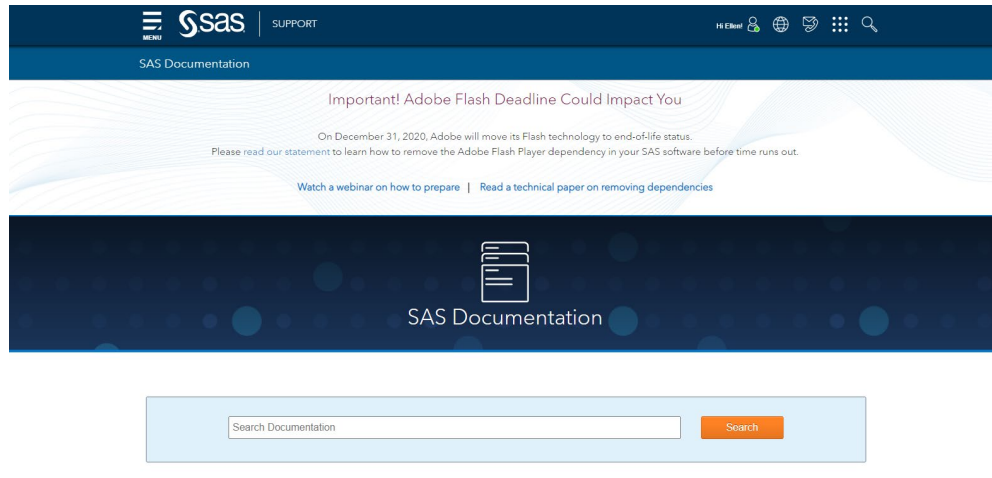
Additional SAS Studio Support page: <https://support.sas.com/en/software/studio-support.html>

- c. Click  ⇒ **SAS Product Documentation** to be directed to the SAS Products & Solutions web page. This web page is useful for learning information about a SAS product.



External address to the SAS Products page: <https://support.sas.com/en/software/all-products-support.html>

- d. From the above web page, select the menu  Documentation >> All Documentation.



The SAS Product Documentation web page appears. This web page is useful for viewing the syntax documentation related to a SAS product.



External address to the SAS Product Documentation page: <https://support.sas.com/en/documentation.html>