



Submitting a SAS Program in SAS Studio

Scenario

Write and submit a simple SAS program in SAS Studio and examine the log and results.

Files

- **sashelp.class** – a sample table provided by SAS that includes information about 19 students


Notes


- Programs can be submitted by clicking **Run** or pressing the F3 key.
- A program generates a log. Depending on the code, a program might also generate results and output data.
- To run a subset of a program, highlight the desired code and click **Run** or press F3.
- When you rerun a program, the existing log, results, and output data are replaced.

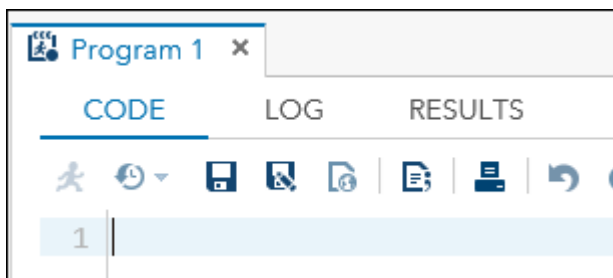
Demo

1. View **Sashelp** sample tables.


Note: **Sashelp** is a collection of sample data files provided by SAS that are useful for testing and practicing. This course references various data files in **Sashelp** to illustrate programming syntax.

- a. Open SAS Studio. In the Navigation pane on the left side of the window, select **Libraries**. Expand **My Libraries** ⇒ **SASHELP**.
 - b. Double-click the **CLASS** table to open and view the data. A panel to the left of the data lists the columns in the table. The Column panel can be collapsed by clicking .
 - c. Close the **SASHELP.CLASS** tab.
2. Write and submit a program in SAS Studio.
- a. A new program window labeled Program 1 is open. Notice that there are tabs labeled CODE, LOG, and RESULTS.

Note: If you do not have a new Program tab, press F4 or click **New**  and select **SAS Program**.



- b. Type or copy and paste the program below on the CODE tab and click **Run**.


Note: If you copy and paste the program, click the **Format Code** button  to improve the program spacing.

```
data myclass;
    set sashelp.class;
run;

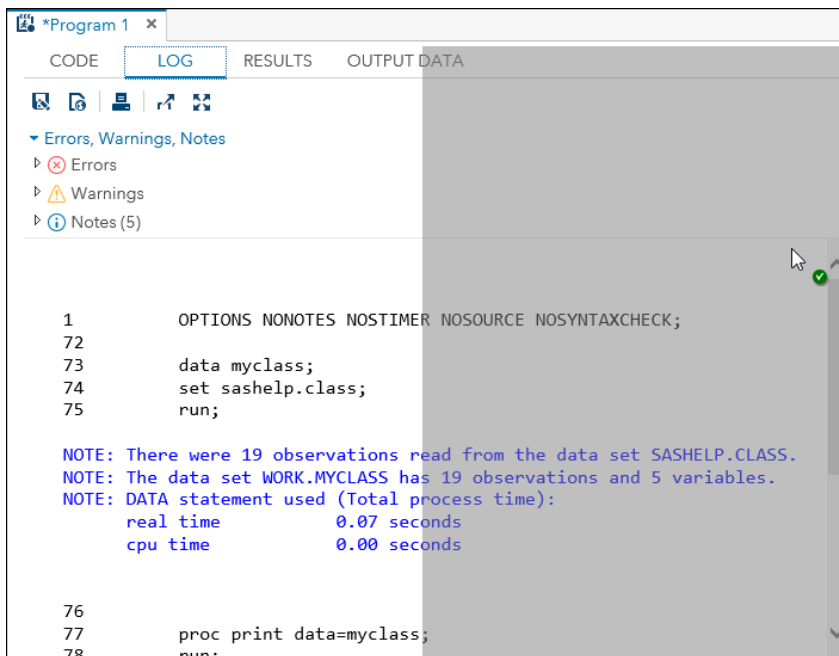
proc print data=myclass;
run;
```

- c. Click the **LOG** tab. The log includes the program and messages returned from SAS. You can expand the **Errors**, **Warnings**, or **Notes** sections to see all messages in a summary list. You can click on any of the messages to find the corresponding message in the log.

- d. Click the **RESULTS** and **OUTPUT DATA** tabs to examine the output.

Note: To optimize the display of the table on the OUTPUT DATA tab, right-click on any of the column headings and select **Size grid columns to content**. To set this option for all tables, click **More Application Options**  and then click **Preferences**. Click the **Size grid columns to content** check box and click **Save**.

- e. Return to the CODE tab. Highlight the PROC PRINT and RUN statements and click **Run** or press F3. Confirm that the log and results were replaced.
- f. To view multiple tabs at the same time, click one of the tabs (CODE, LOG, OUTPUT DATA, or RESULTS) and drag it to the side or bottom of the work area until a highlighted region appears. To return to a single window, drag the separated tab back to the main tab area.



End of Demonstration