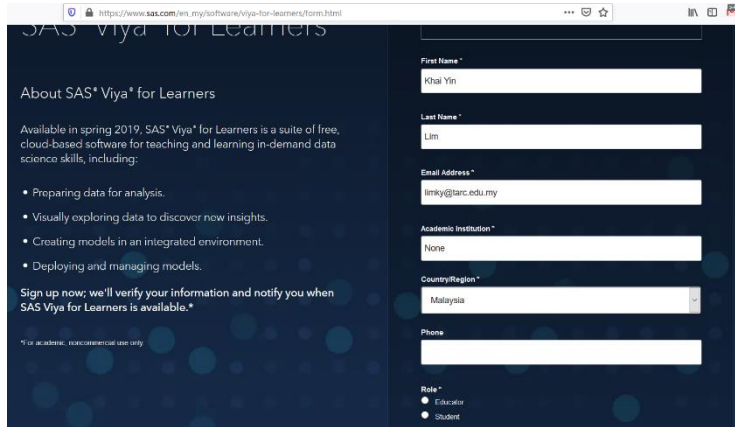


SAS Guides (202105)

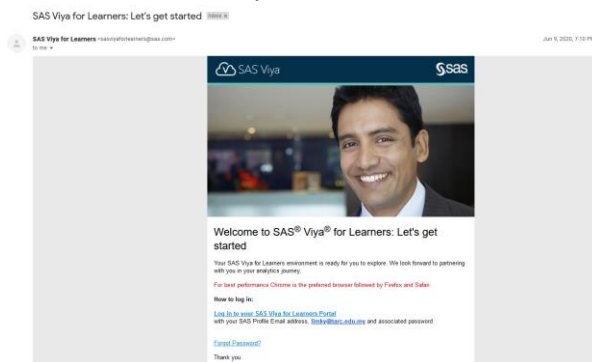
✚ Apply for access:
https://www.sas.com/en_my/software/viya-for-learners/form.html

✚ Select role as **Educator** and using **TARC email** (may take sometime to verify the role). Student to select role as **student** and **TARC email** too.

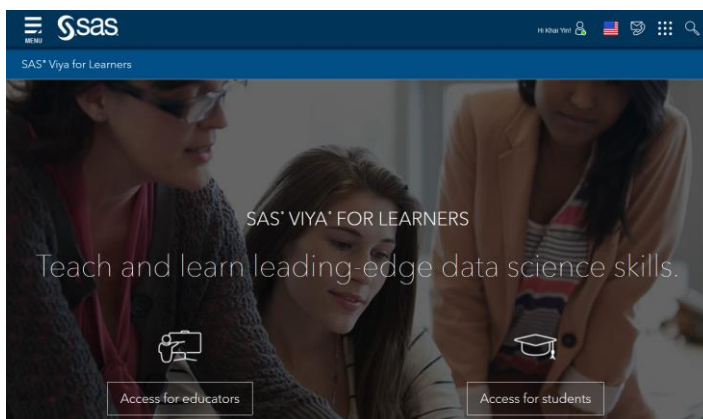


The screenshot shows the registration form for SAS Viya for Learners. On the left, there is a section titled "About SAS* Viya* for Learners" with a description and a list of features: "Preparing data for analysis," "Visually exploring data to discover new insights," "Creating models in an integrated environment," and "Deploying and managing models." Below this, it says "Sign up now; we'll verify your information and notify you when SAS Viya for Learners is available." On the right, there is a form with fields for "First Name" (Khai Yin), "Last Name" (Lim), "Email Address" (limky@tarc.edu.my), "Academic Institution" (None), "Country/Region" (Malaysia), and "Phone". At the bottom, there is a "Role" section with radio buttons for "Educator" (selected) and "Student".

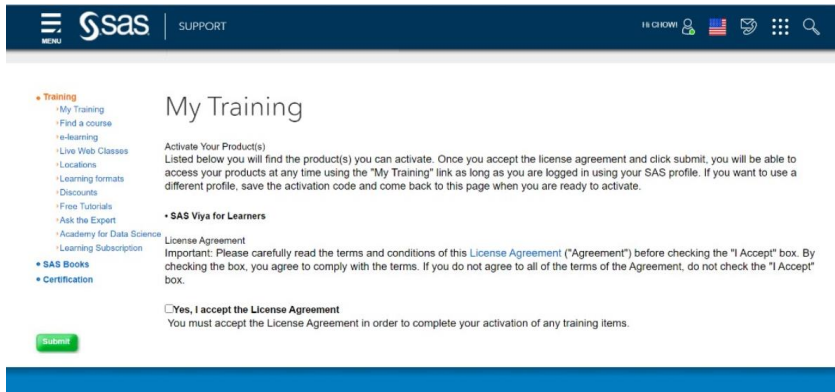
✚ Email will be sent to your account



✚ OR the login page: https://www.sas.com/en_my/software/viya-for-learners.html
✚ Select "Access for educators" for tutor. Student "Access for students"



Accept license agreement



The screenshot shows the SAS 'My Training' page. At the top is a dark blue header with the SAS logo, 'SUPPORT', and user options like 'IS CHOW!'. A left sidebar lists navigation items under 'Training' and 'SAS Books'. The main content area is titled 'My Training' and includes a section for 'Activate Your Product(s)'. Below this is a 'License Agreement' section with a warning to read the terms. At the bottom, there is a checkbox labeled 'Yes, I accept the License Agreement' and a 'Submit' button.

My Training

Activate Your Product(s)
Listed below you will find the product(s) you can activate. Once you accept the license agreement and click submit, you will be able to access your products at any time using the "My Training" link as long as you are logged in using your SAS profile. If you want to use a different profile, save the activation code and come back to this page when you are ready to activate.

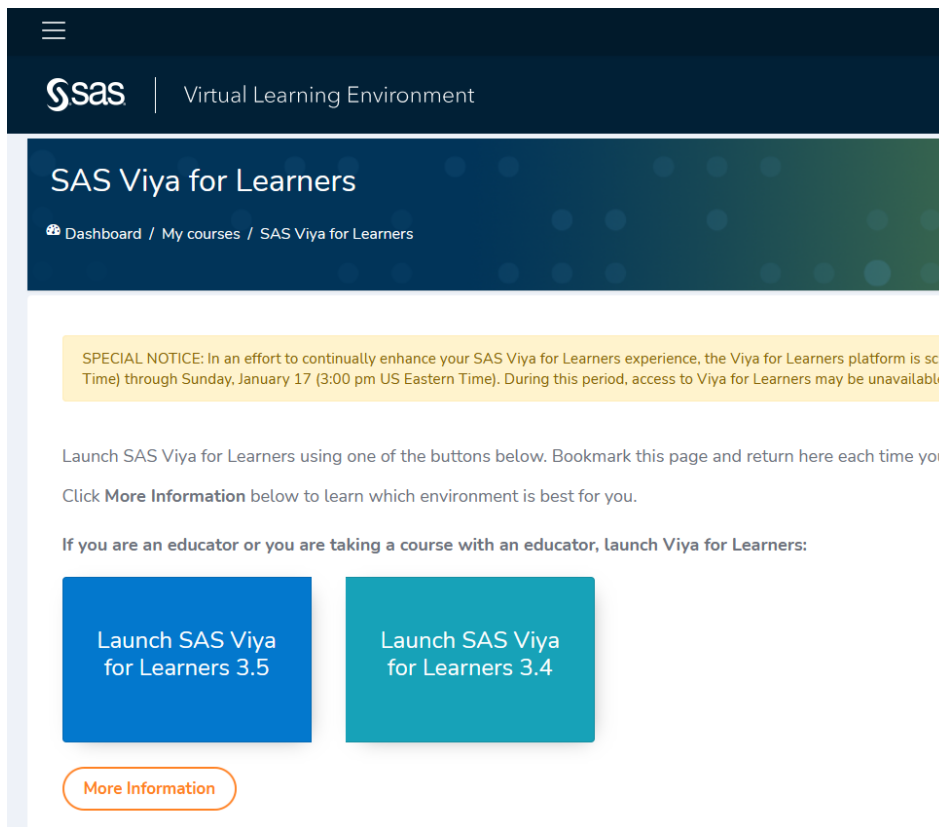
• **SAS Viya for Learners**

License Agreement
Important: Please carefully read the terms and conditions of this [License Agreement](#) ("Agreement") before checking the "I Accept" box. By checking the box, you agree to comply with the terms. If you do not agree to all of the terms of the Agreement, do not check the "I Accept" box.

☐ Yes, I accept the License Agreement
You must accept the License Agreement in order to complete your activation of any training items.

[Submit](#)

Launch SAS Viya for Learners 3.5



The screenshot shows the 'Virtual Learning Environment' for SAS Viya for Learners. It features a dark blue header with the SAS logo and the title 'Virtual Learning Environment'. Below the header is a banner for 'SAS Viya for Learners' with a breadcrumb trail: 'Dashboard / My courses / SAS Viya for Learners'. A yellow 'SPECIAL NOTICE' box informs users of a scheduled maintenance period on January 17. Below the notice, text instructs users to launch the platform using buttons for version 3.5 or 3.4, and to click 'More Information' for further details.

SAS Viya for Learners

Dashboard / My courses / SAS Viya for Learners

SPECIAL NOTICE: In an effort to continually enhance your SAS Viya for Learners experience, the Viya for Learners platform is scheduled for maintenance on Sunday, January 17 (3:00 pm US Eastern Time). During this period, access to Viya for Learners may be unavailable.

Launch SAS Viya for Learners using one of the buttons below. Bookmark this page and return here each time you need to launch the platform.

Click **More Information** below to learn which environment is best for you.

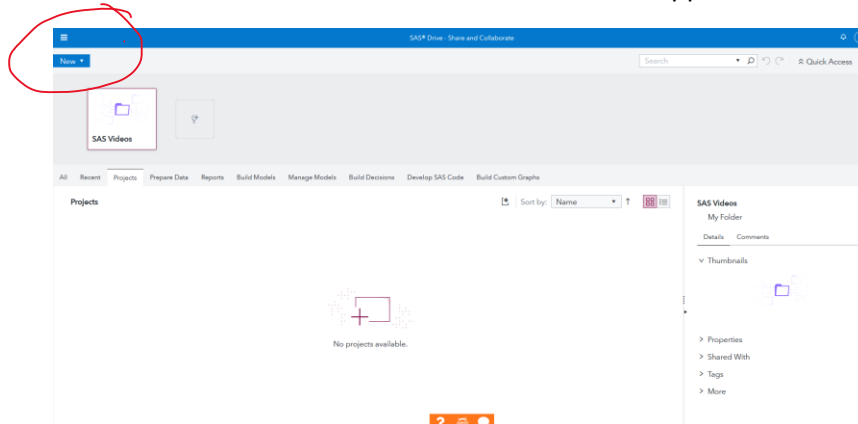
If you are an educator or you are taking a course with an educator, launch Viya for Learners:

[Launch SAS Viya for Learners 3.5](#) [Launch SAS Viya for Learners 3.4](#)

[More Information](#)

SAS Guides (202105)

Will lead us to SAS Drive. Go to → Show list of application



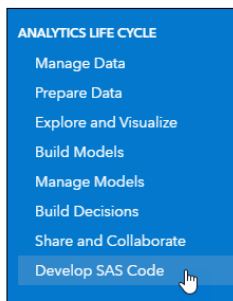
Select “Develop SAS Code”

Navigating the Course Material

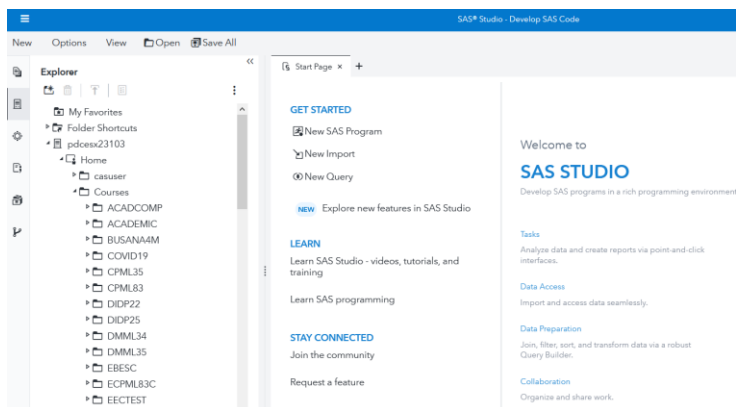
There are no changes required in the course materials to complete the demos, activities, or practices in SAS Viya for Learners.


When instructed to sign in to SAS Studio, follow these steps:


1. Launch Viya for Learners.
2. In SAS Drive, select the **Show list of applications** button (☰) in the upper left corner and select **Develop SAS Code**.



Will lead us to SAS Studio



 Follow the activities as in the slides

1. Sign in to SAS Viya and open SAS Studio.
Note: Refer to the access instructions on the Extended Learning page for details about how to sign in.
2. The left side of SAS Studio is the navigation pane. Access the Explorer section of the navigation pane by clicking the  icon.
3. Expand <server> ⇒ **Home** ⇒ **Courses** ⇒ **PGVY35**. Double-click **cre8data.sas** to open the program.
4. Click **Run** to execute the program. When the program finishes executing, a report appears in the Results tab. View the report and confirm that four files are listed.

16

Copyright © SAS Institute Inc. All rights reserved.



1.01 Activity – Correct Answer

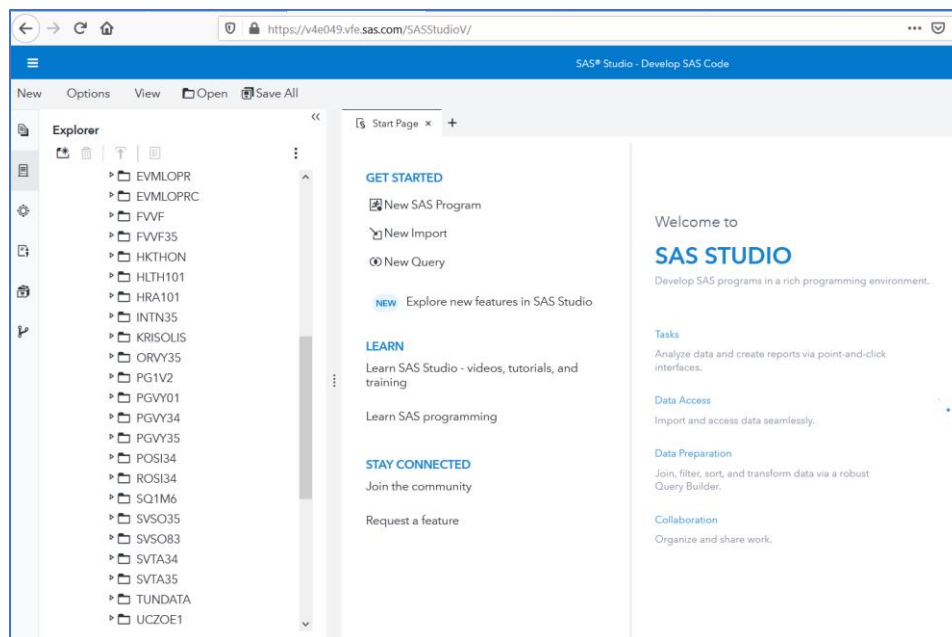
View the report and confirm that four files are listed.

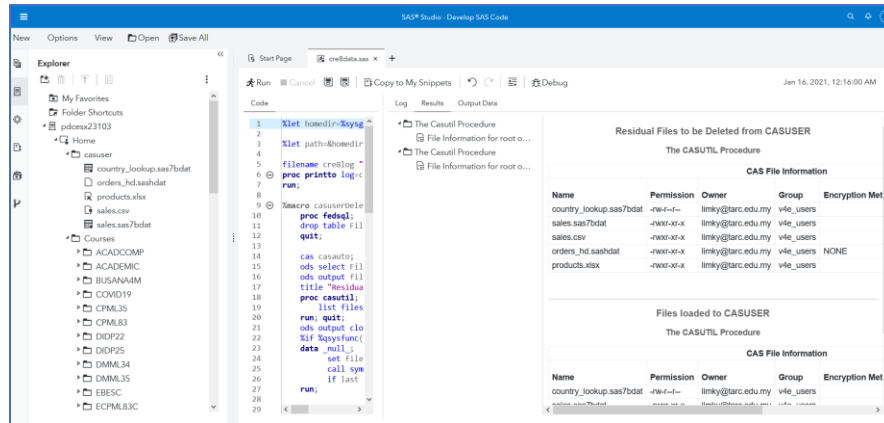
Files loaded to CASUSER						
The CASUTIL Procedure						
CAS File Information						
Name	Permission	Owner	Group	Encryption Method	File Size	Last Modified (UTC)
orders_hd.sashdat	-rwxr-xr-x	CAS	SAS	NONE	1.6GB	17JUN2020:17:21:22
products.xlsx	-rwxr-xr-x	CAS	SAS		560.8KB	17JUN2020:17:21:29
sales.csv	-rwxr-xr-x	CAS	SAS		10.3KB	17JUN2020:17:21:29
sales.sas7bdat	-rwxr-xr-x	CAS	SAS		72.0KB	17JUN2020:17:21:29

You need to run this program only once to create the data in the appropriate folders.

17

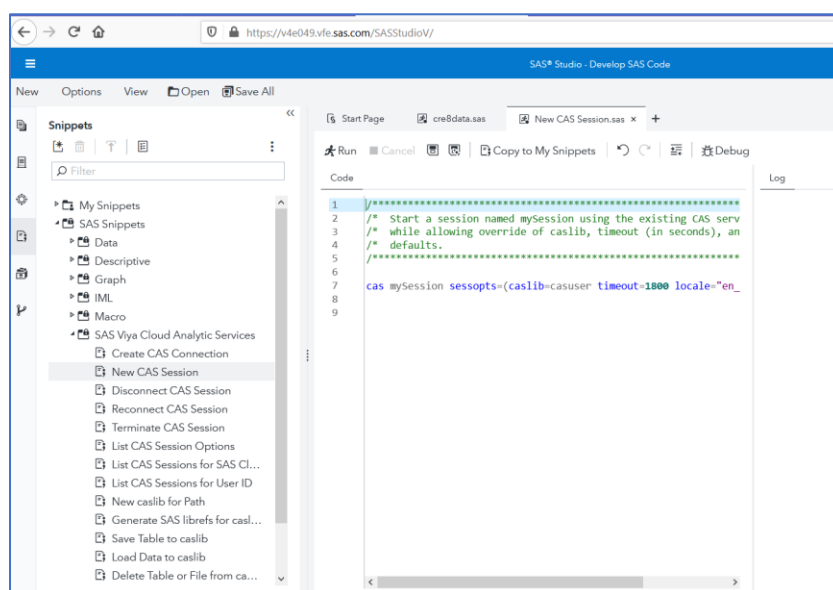
Copyright © SAS Institute Inc. All rights reserved.

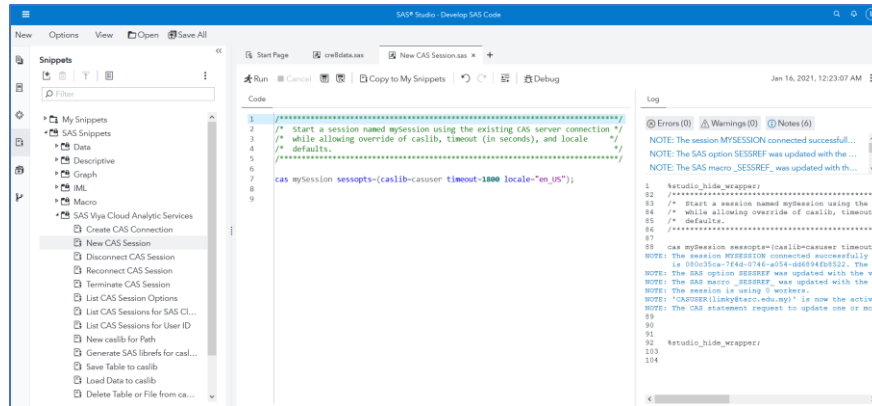




1.02 Activity

1. Sign in to SAS Viya.
Note: Refer to the access instructions on the Extended Learning page for details about how to sign in.
2. In the Snippets section of the navigation pane, expand **SAS Snippets** ⇒ **SAS Viya Cloud Analytic Services**. Double-click **New CAS Session** and submit the snippet code.
3. View the log and confirm that the CAS session connected successfully. What is the name of the session and the default caslib?





1.02 Activity – Correct Answer

- View the log and confirm that the CAS session connected successfully. What is the name of the session and the default caslib?

MYSESSION and CASUSER

```

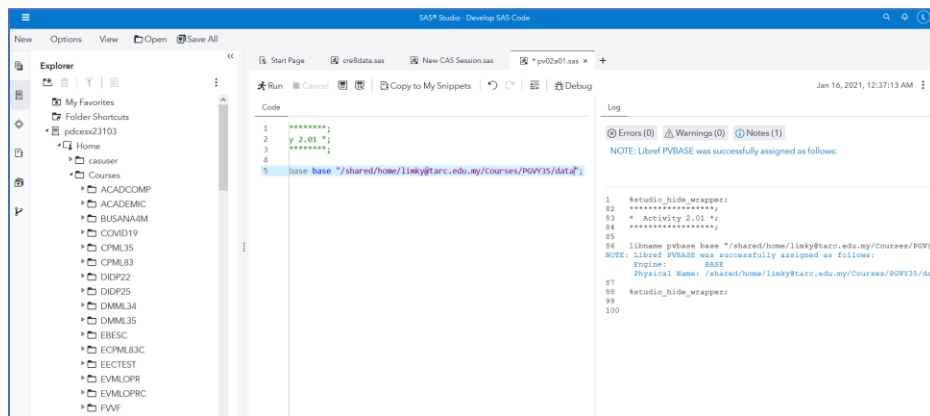
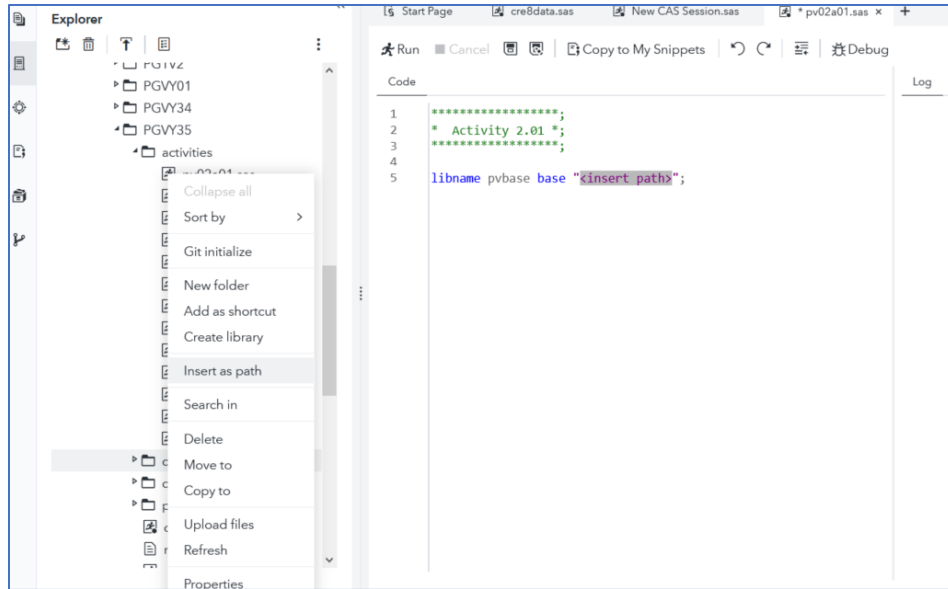
88 cas mySession sessopts=(caslib=casuser timeout=1800 locale="en_US");
NOTE: The session MYSESSION connected successfully to Cloud Analytic
Services server.demo.sas.com using port 5570. The UUID is ...
The user is student and the active caslib is CASUSER(student).
NOTE: The SAS option SESSREF was updated with the value MYSESSION.
NOTE: The SAS macro _SESSREF_ was updated with the value MYSESSION.
NOTE: The session is using 0 workers.
NOTE: 'CASUSER(student)' is now the active caslib.
NOTE: The CAS statement request to update one or more session options
for session MYSESSION completed.

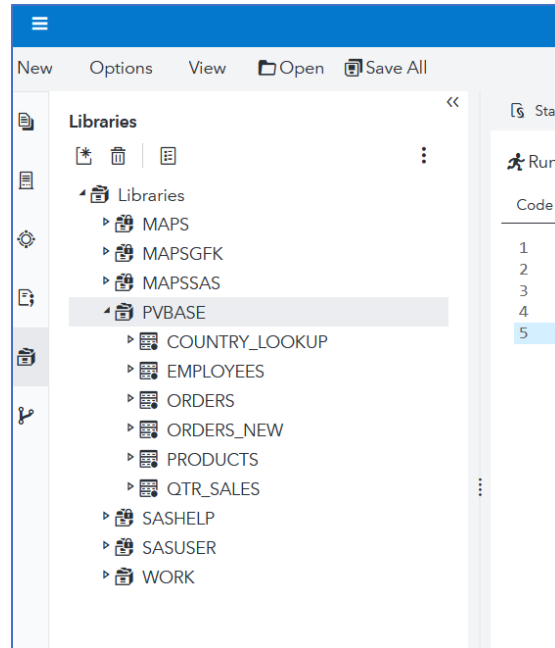
```

2.01 Activity

- In the Explorer section of the navigation pane, expand <server> ⇒ **Home** ⇒ **Courses** ⇒ **PGVY35** ⇒ **activities**. Open the **pv02a01.sas** program.
- Highlight <insert path> in the LIBNAME statement. In the Explorer, right-click the **PGVY35/data** folder and select **Insert as path**.
Note: UNIX and Linux paths are case sensitive, so the **Insert as path** option is recommended to ensure correct casing in the text.
- Run the code and verify that the library was successfully assigned.
- In the Libraries section, expand the **pvbases** library.
- Why are the Microsoft Excel and text files from the data folder not visible in the SAS library?

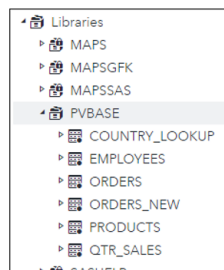
SAS Guides (202105)





2.01 Activity – Correct Answer

Why are the Microsoft Excel and text files from the data folder not visible in the SAS library?



The **pvbbase** library uses the Base engine, so the Base SAS tables are the only files recognized and visible in the SAS library.



Activities are explained in much detail in the slides. It may be better to refer to the more comprehensive guides from here on 😊