

SAP Data Audit Master Class

Python Meetings

How to use GitHub to automatically obtain code for python projects in the SAP Data Audit Masterclass python meetings

1/ Create an account in GitHub

It is necessary to create an account so that you can be added to the 300FMasterclass group on Github.

Incase you don't have account, please click here to create an account:
<https://github.com/>

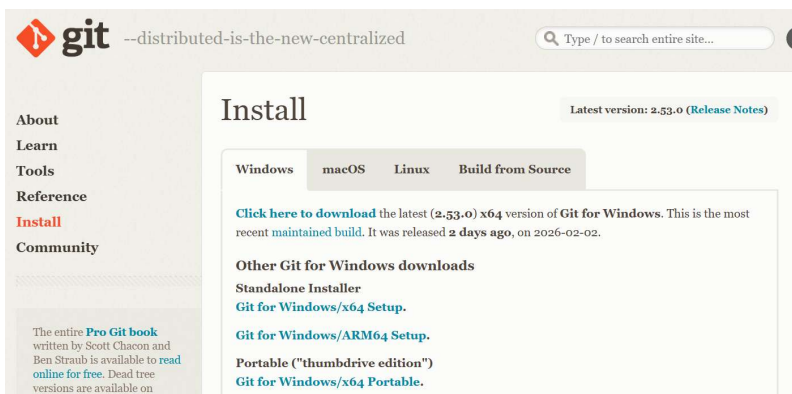
Send your account name to us and we will add you to the 300Framework private GitHub group.

Note: You will need to do this step before being able to download the repositories for the masterclass to your machine.

2/ Download and install the git application

If you would like to be able to clone the python projects for each python meeting, it is necessary to install git on the machine where you use Visual Studio Code.

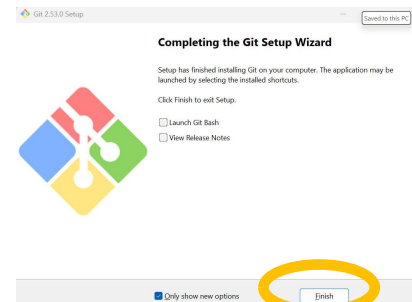
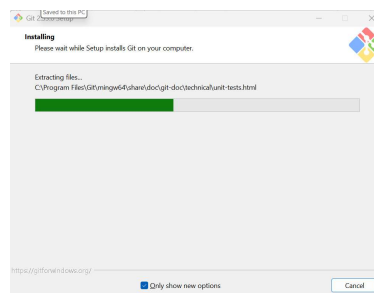
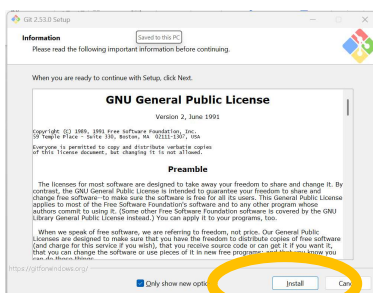
Download the git application from this link and install it on your machine: <https://git-scm.com/download/win>



The following installer will be downloaded to your machine:
Double-click on the .exe file to launch it.



Click Install, choose Next for all questions, then at the end, **un-tick** both boxes and click Finish.



To test that you have correctly installed the git application, type CMD in the Windows Search bar, and then in the black box, type: **git version**

```
Command Prompt
Microsoft Windows [Version 10.0.26100.7623]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cjm>git version
git version 2.53.0.windows.1

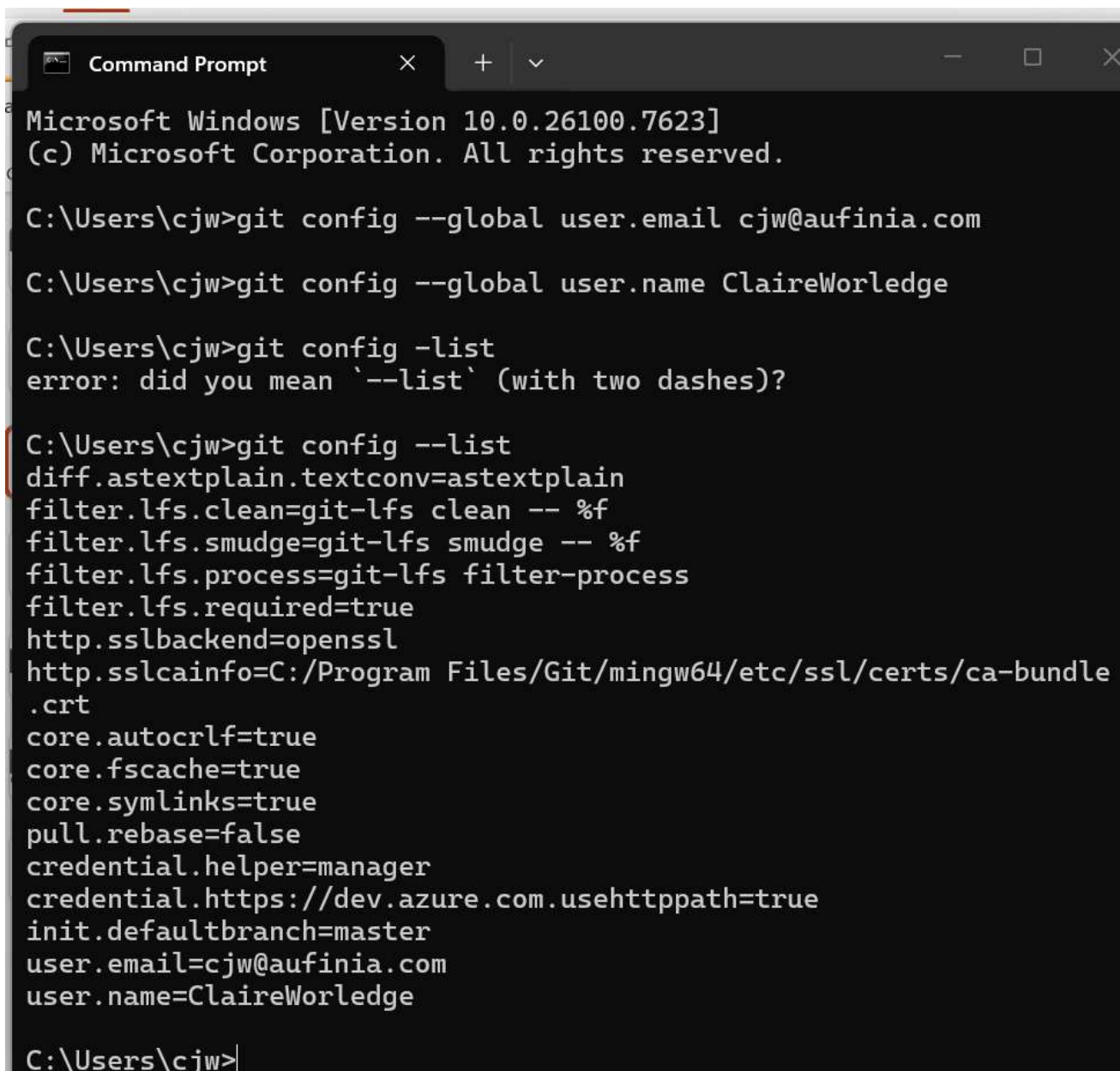
C:\Users\cjm>
```

If the git application is correctly installed, you will see the version number.

3/ Configure GitHub

Next, we need to configure our git application, so that it can login to the GitHub account that you created in step 1.

- Type **CMD** in the search bar of Windows
- Then, in the black box type the following, replacing <your email> and <your name> with the email and username for your GitHub account:
 - **git config --global user.email <your email>**
 - **git config --global user.name <your name>**
- To test that your email and username were configured correctly, type
 - **git config --list**



```
Microsoft Windows [Version 10.0.26100.7623]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cjw>git config --global user.email cjlw@aufinia.com

C:\Users\cjw>git config --global user.name ClaireWorledge

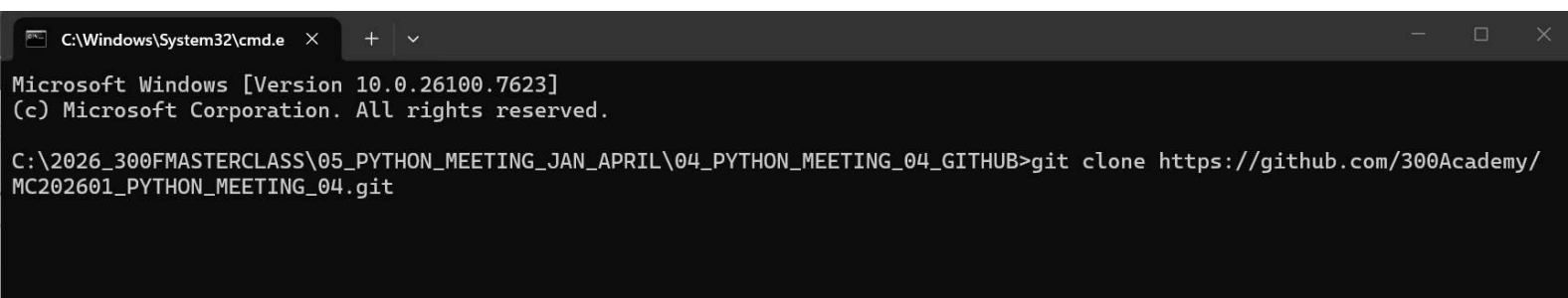
C:\Users\cjw>git config -list
error: did you mean '--list' (with two dashes)?

C:\Users\cjw>git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle
.crt
core.autocrlf=true
core.fscache=true
core.symlinks=true
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.email=cjlw@aufinia.com
user.name=ClaireWorledge

C:\Users\cjw>
```

4/ Clone the project from GitHub (1/3)

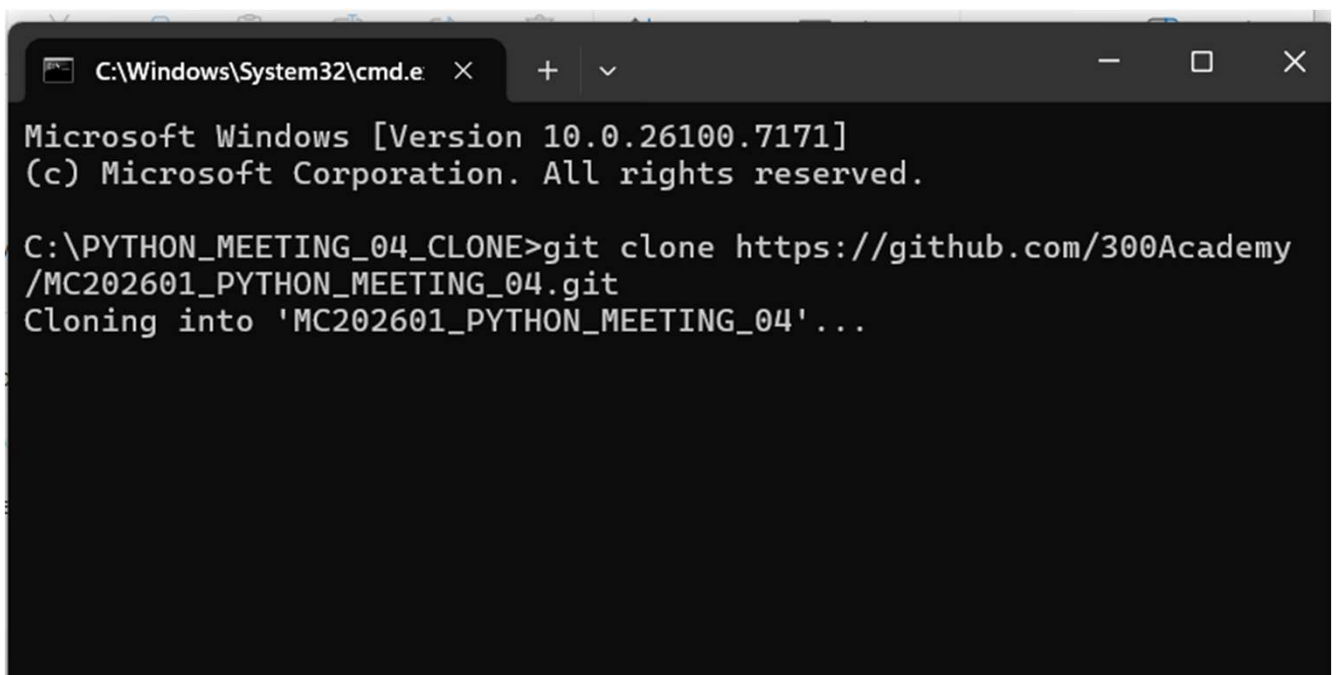
- Go to the Windows folder, where you would like to put the python meeting project.
- In the Windows search bar of that folder, type **CMD**
- In the black box that then appears, type the following: (*On one line and replacing for the link of the repository that you would like to clone. Each week, we will give you a new repository link*)
 - **git clone**
https://github.com/300Academy/MC202601_PYTHON_MEETING_04.git



```
C:\Windows\System32\cmd.e  x  +  v
Microsoft Windows [Version 10.0.26100.7623]
(c) Microsoft Corporation. All rights reserved.

C:\2026_300FMASTERCLASS\05_PYTHON_MEETING_JAN_APRIL\04_PYTHON_MEETING_04_GITHUB>git clone https://github.com/300Academy/MC202601_PYTHON_MEETING_04.git
```

- You will see this message:



```
C:\Windows\System32\cmd.e  x  +  v
Microsoft Windows [Version 10.0.26100.7171]
(c) Microsoft Corporation. All rights reserved.

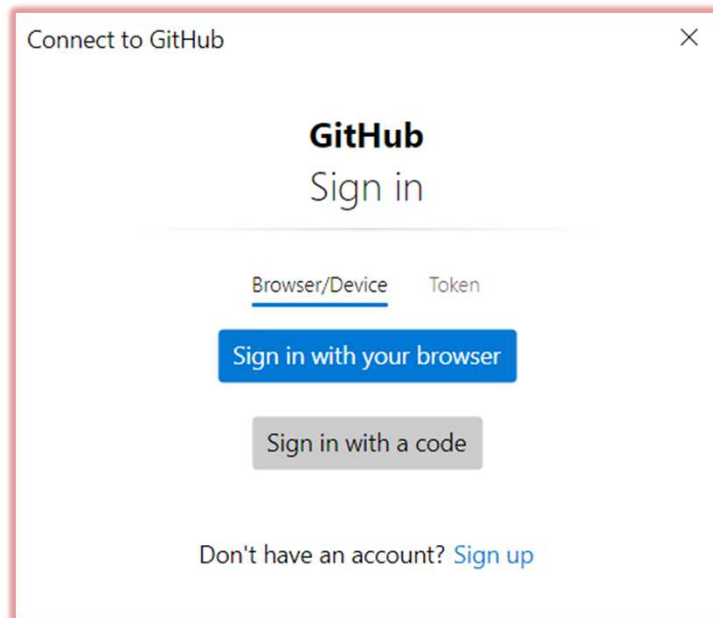
C:\PYTHON_MEETING_04_CLONE>git clone https://github.com/300Academy/MC202601_PYTHON_MEETING_04.git
Cloning into 'MC202601_PYTHON_MEETING_04'...
```

- At the same time, you will see a pop-up, as below. Click on the pop-up icon to sign in to GitHub: (*Note, if you are stuck at this point, it might be because you are signed in to a different GitHub account on your machine – see the trouble shooting section*).

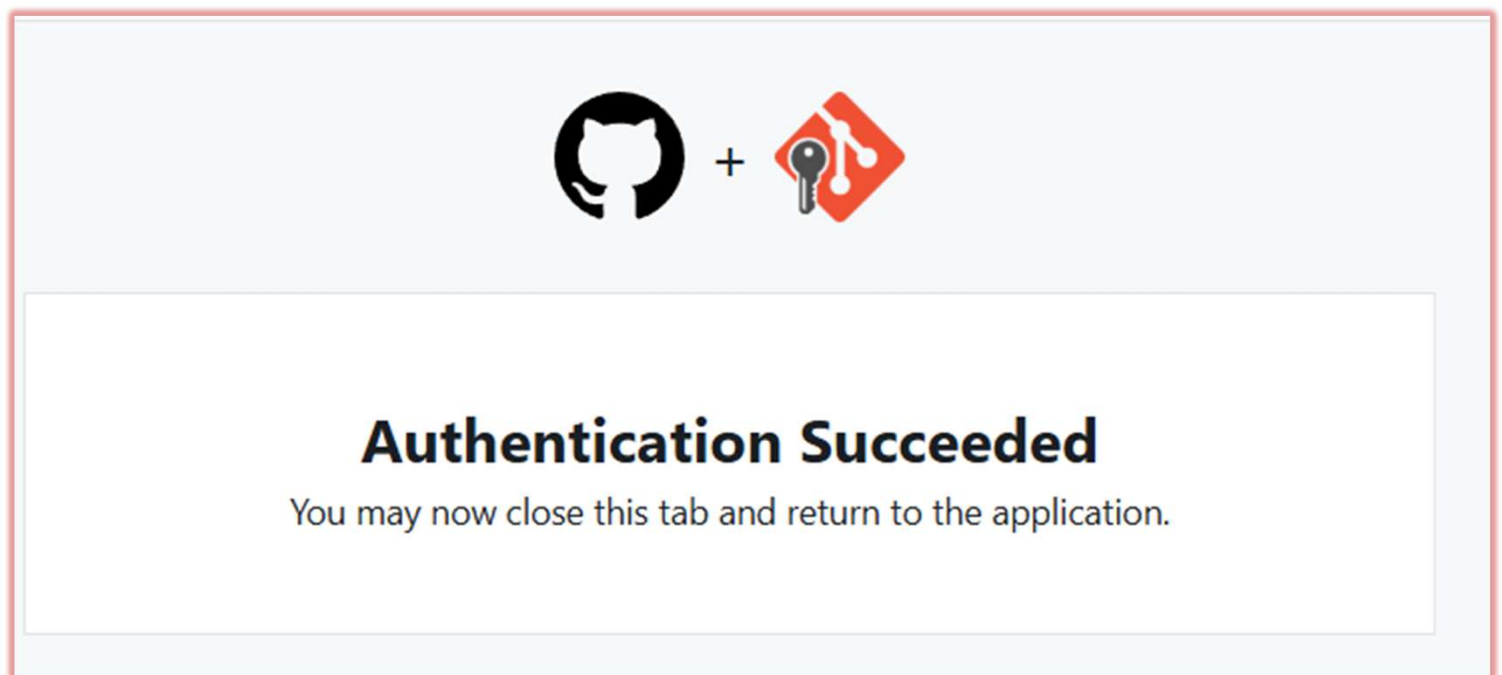


4/ Clone the project from GitHub (2/3)

- When you click on the little icon from the previous page, you will see this Window. Here you can sign in to GitHub.



- If the sign in is successful, then you will see this window:



4/ Clone the project from GitHub (3/3)

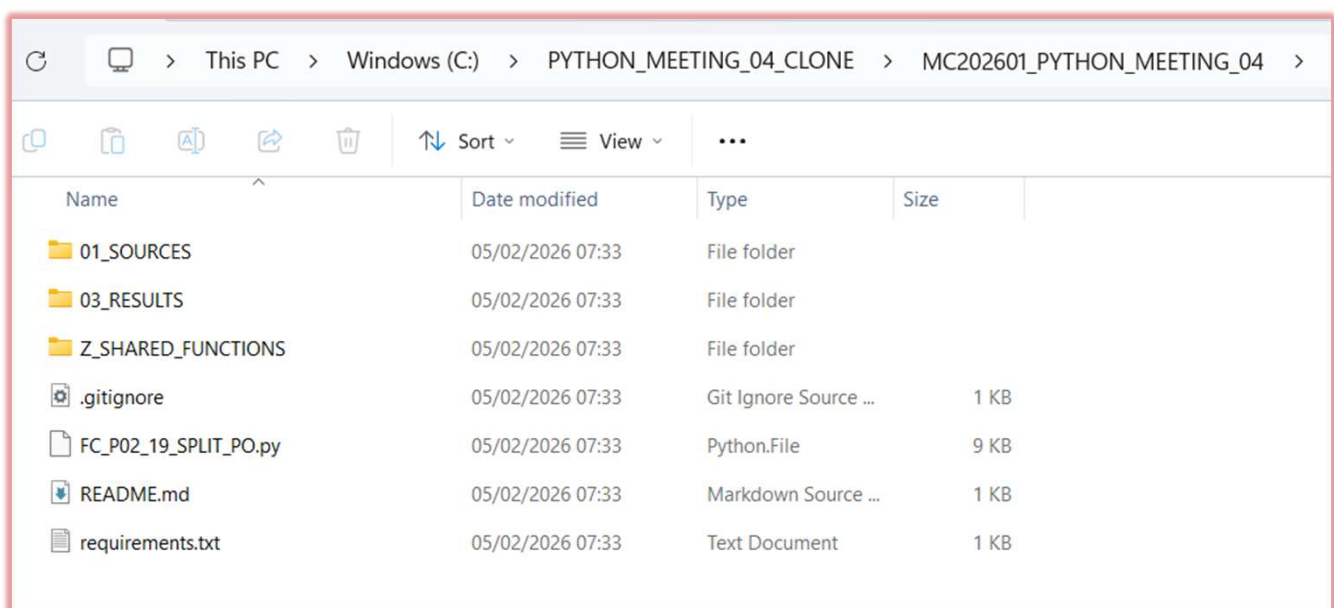
- Once you have signed-in successfully to GitHub, the folder will be downloaded to the location that you chose before:

```
C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.26100.7171]
(c) Microsoft Corporation. All rights reserved.

C:\PYTHON_MEETING_04_CLONE>git clone https://github.com/300Academy/MC202601_PYTHON_MEETING_04.git
Cloning into 'MC202601_PYTHON_MEETING_04'...
info: please complete authentication in your browser...
remote: Enumerating objects: 24, done.
remote: Counting objects: 100% (24/24), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 24 (delta 4), reused 22 (delta 4), pack-reused 0 (from 0)
Receiving objects: 100% (24/24), 393.74 KiB | 3.71 MiB/s, done.
Resolving deltas: 100% (4/4), done.

C:\PYTHON_MEETING_04_CLONE>
```

- You should then be able to see the folder structure and content in Windows:



5/ Run the code that you downloaded

- When the project is downloaded from GitHub:
 - Go to the 02_PROGRAMMES folder in Windows
 - Type **CMD** in the Windows search bar
 - Type **code .** in the black box
 - Create venv: **python -m venv venv**
 - Active venv: **.\venv\Scripts\activate**
 - Install libraries: **pip install -r requirements.txt**
 - Update the variables

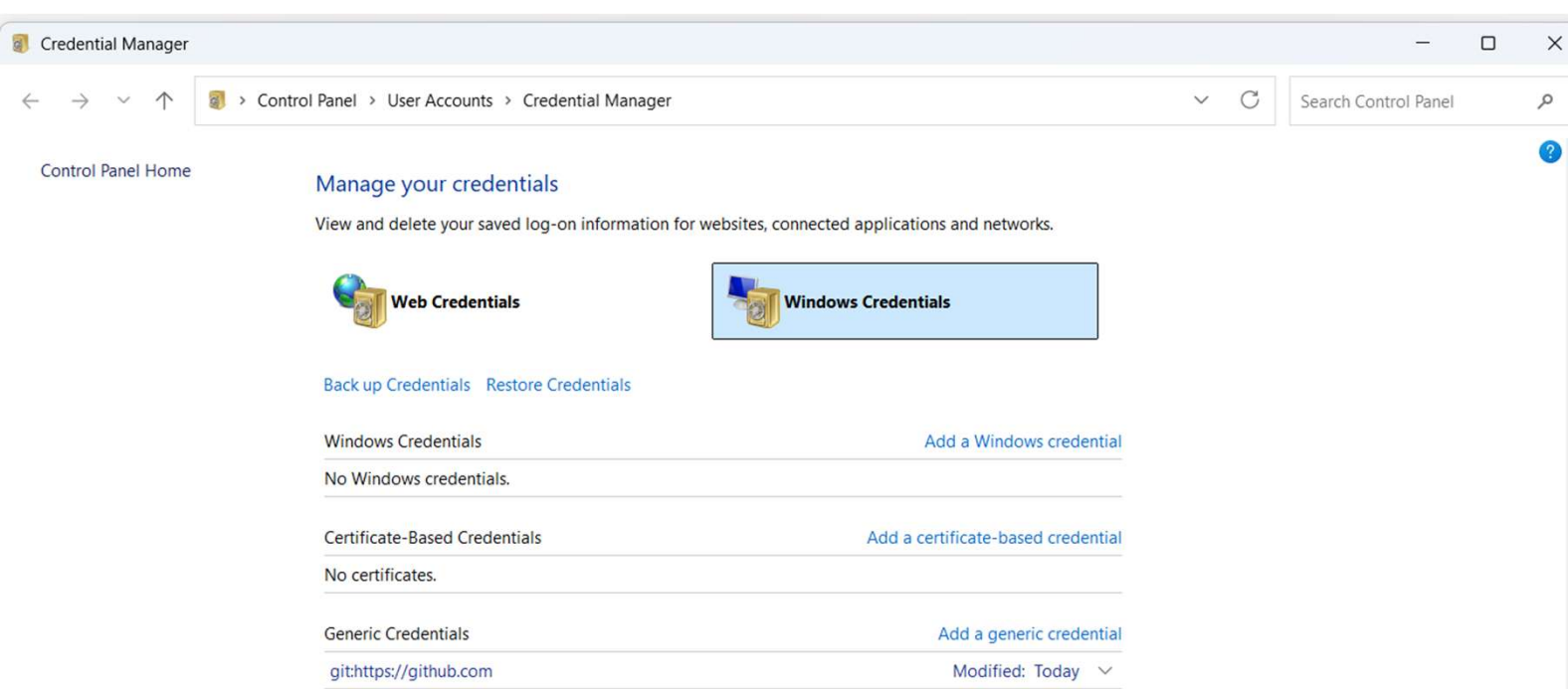
```
# 2/ Variables
ZV_ST_SOURCES_FOLDER = 'D:/03_DEMO/300ACADEMY_PYTHONMEETING_2026/01_SOURCES/' # fill in the folder where you put the A_AM_EXCLUSION_WORDS and your supplier data
ZV_04_C_PHASE_FOLDER = 'D:/03_DEMO/300ACADEMY_PYTHONMEETING_2026/03_RESULTS/' # fill in the folder where you want to put the results
ZV_ST_NAME_EKPO_FILE = '20251025_180621_1_EKPO.csv' # fill in the name of your EKPO file
ZV_ST_NAME_EKKO_FILE = '20240510_152615_1_EKKO.csv' # fill in the name of your EKKO file
ZV_ST_NAME_JSON_FILE = 'A_APPROVAL_LIMITS.json' # fill in the name of your JSON file
ZV_NU_WINDOWDAYS = 7
```

- Run the program



6/ Troubleshooting

- If you are not able to clone the GitHub library, it could be that you already have a GitHub account configured for your machine. In this case, you may need to remove that GitHub account (but check with your IT department first).
- To remove the GitHub account, you can type Credential Manager.
- You will then see the Credential Manager box pop-up:



- You could try removing the github account from Web credentials and starting again the process from step 1.

Any questions or feedback:

contact@aufinia.com