

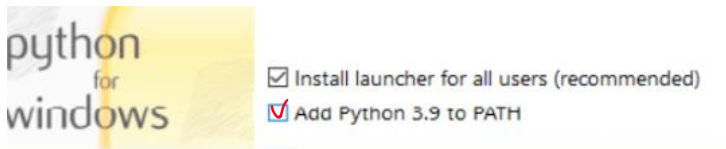
This document is a collection of Tips (Installation of Python, Jupyter Notebook and how to use JN) and of forum posts we considered as helpful to you.

We might enhance it during the course to keep it up to date and would like to already thank everyone supporting us and other learners with their knowledge and experience.

Installation of Jupyter & Python

Before installing Jupyter Notebook first you must install **Python**:

1. Visit <https://www.python.org/downloads/> and choose the version fitting best to your OS. (Take at least Python 3.9)
2. After finished downloading, open the file and click on *install now* (Make sure to check the box **Add Python to 3.9 to PATH** or Python 3.10, depends on which version you installed).

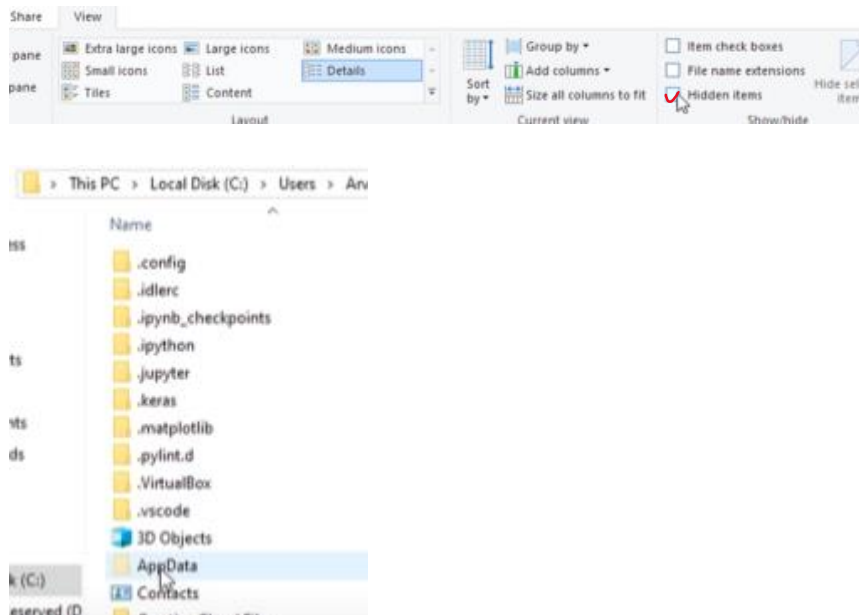


Python now will be installed in your user directory

3. After finishing installing, you now have access to Python, including **pip** and IDLE

Installing Jupyter Notebook for Windows:

1. Open your drive where you installed Python → click on *Users* → *your Username*
2. Search for the folder *AppData* (the folder might be hidden – in the folder options go to view → check *Hidden items*)



3. In *AppData* go to *Local* → *Programs* → *Python* → *Python39* or *Python310* → *Scripts*



In your folder click on the space where the arrow is hinting

4. Type *cmd* and click enter. The command-shell will open (make sure your system is connected to the internet).
5. When the command-shell shows, it will look like this:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.593]
(c) Microsoft Corporation. Alle Rechte vorbehalten.

:\Users\      \AppData\Local\Programs\Python\Python310\Scripts>
```

6. Now type *pip install jupyter* (alternative if it doesn't work or you use a MacOS: *pip3 install jupyter*) and hit enter. Congrats you installed Jupyter Notebook!

Note: on MacOS the safest approach is to add a "3" to all commands (*pip3 install, python3 ...*)

Installing Jupyter using Python's package manager, pip

Important: Jupyter installation requires Python 3.3 or greater, or Python 2.7.

IPython 1.x, which included the parts that later became Jupyter, was the last version to support Python 3.2 and 2.6.

```
pip3 install --upgrade pip
```

To install Jupyter Notebook follow the steps below:

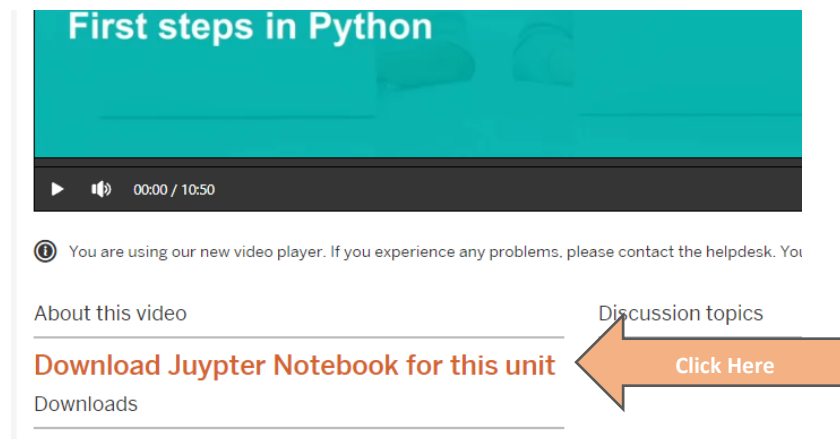
1. Ensure you have the latest pip
2. Install the Jupyter Notebook by typing in this command:

```
pip3 install jupyter
```

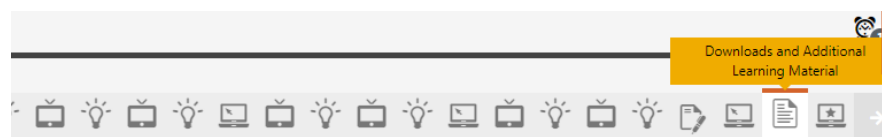
3. Congrats. You have installed Jupyter Notebook

Download of Notebooks in openSAP

After every unit you have the option to download the notebook of the unit. You'll find the download link underneath the video in the *About this Video* section.



Or if you want to download every notebook at once, you can go to *downloads and additional learning material*.



s and Additional Learning Material

il and Example Solutions for Week 1

Go to the section *Downloads* and click on *All notebooks*.

Downloads - This Week's Content

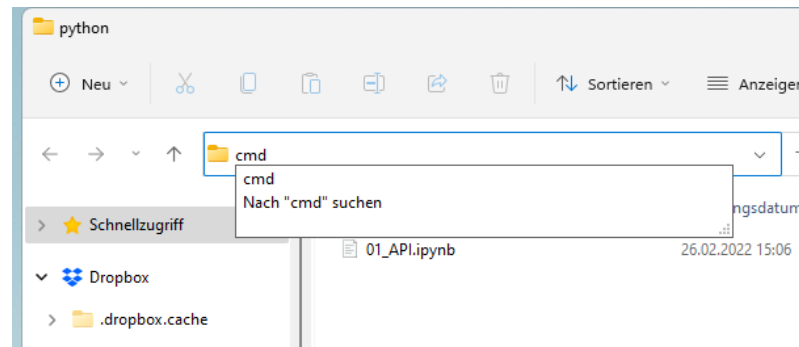
- All slides
- All videos
- All notebooks
- Lecture transcripts - EN



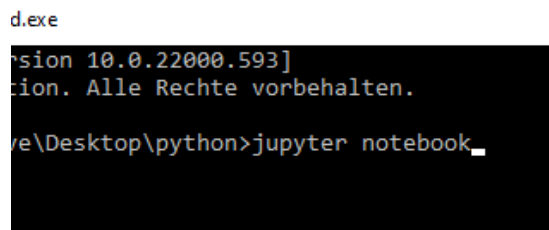
After downloading the notebooks, it's recommended to create a folder (e.g. on your desktop) where you store every notebook so it is easier for you to have access on them via Jupyter Notebook.

How to open Jupyter Notebook and run a notebook?

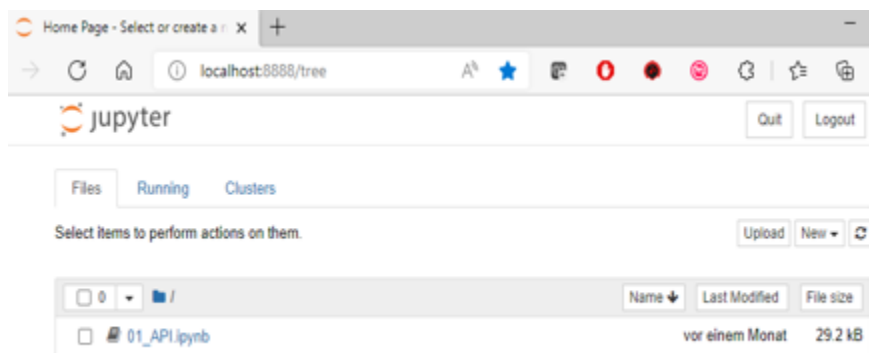
To run Jupyter Notebook open the command shell anywhere (preferable the folder in which you store your exercise materials). Just open your preferred folder, click in the bar and type in `cmd`.



The command shell will pop up. Enter `jupyter notebook` and press enter.



Jupyter Notebook will now show up in your web browser.



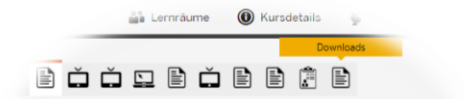
The notebook's file extension is **.ipynb** – just click on it and it will open

Issues with other course content

I have problems downloading Videos – where can I download the videos?

Dear learners,

We are aware of the issues downloading the videos. We are currently working on a fast solution with Vimeo. In the meantime, please go to the download tab of the week (example shown in picture).



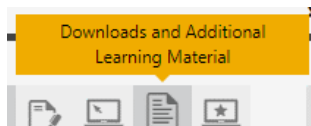
Welcome to Week 0

Dear learners,

Welcome to the preparation week of Python for Beginners.

This week is called "Getting Ready" and the goal is to provide you with some exercises during the following weeks.

From week one on it's the *Downloads and Additional Learning Material* tab.



Click on *All videos*. Now you have access to this week's videos.

Downloads - This Week's Content

- All slides
- All videos
- All notebooks
- Lecture transcripts - EN



Further issues solved by other learners

Here are some helpful posts and their answers for the following topics. To see the answers from other learners to the questions, just **click on them**:

Is it recommended to use other software than Jupyter?

We don't recommend using an IDE for this course as for beginners the added complexity might be overwhelming. However, if you already have experience in other programming languages or have used an IDE before you can use any IDE you like. We won't be able to provide support in case of problems though.

Shortcut for starting Jupyter Notebook

[Starting Jupyter Server with a shortcut instead typing CMD](#)

Jupyter Server

[Closing Jupyter Server](#)

Jupyter working directory

[How to change default folder](#)

[How to open the downloaded Jupyter document](#)

[Creating folders in Jupyter failed -Why?](#)

[How to store notebooks](#)

Jupyter Notebook

[How to run a code](#)

[Jupyter shows all folders on my laptop - what does it mean?](#)

Firewall & SSL certificates

[Problem with SSL certificates during installation of Jupyter Notebook](#)

[If you use a company sponsored laptop and not allowed to load 3rd party software](#)

Python in SAP environment

[How do I use Python in SAP environment?](#)

[How can we connect Python with SAP?](#)

Online alternatives for using notebooks

[Struggling to install Python and JN](#)

Here are some suggestions, click on the link and explore:

[Google Colab](#)

[Binder](#)

Other OS than Windows

[I have a Mac and problems installing the software – possible solution](#)

[Is Python and JN available on iOS and Android?](#)

[I'm using Windows 7. Does Python work on it?](#)

More Installation guides

[Step-by-step for Windows 10](#)

[Video guide for installing Python and JN](#)

[Alternative video guide with Anaconda](#)