

12-pre – Install Git and VS code

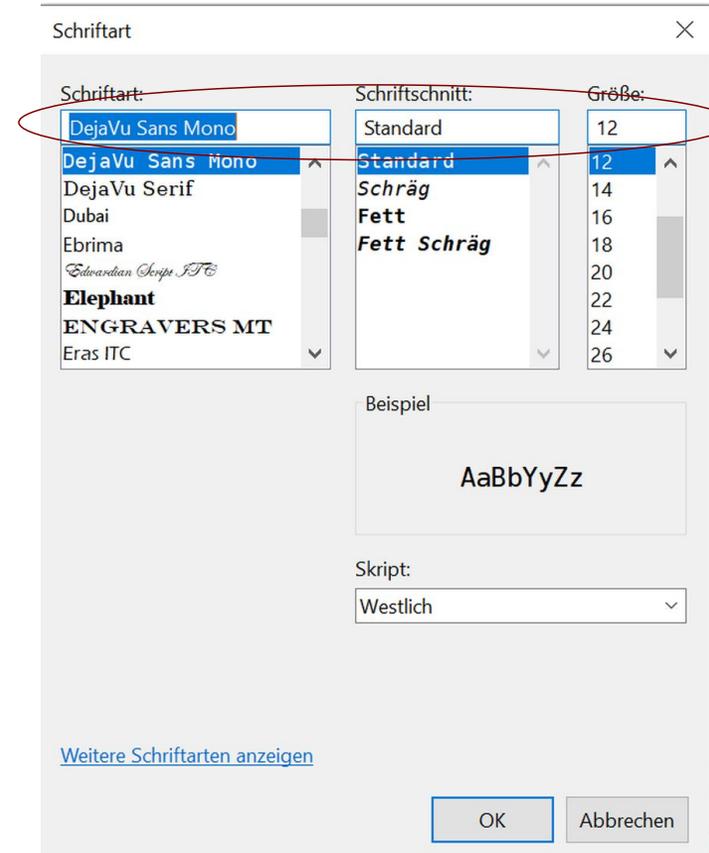
Bálint Aradi

Scientific Programming in Python (2024)

<https://atticlectures.net/scipro/python-2024/>

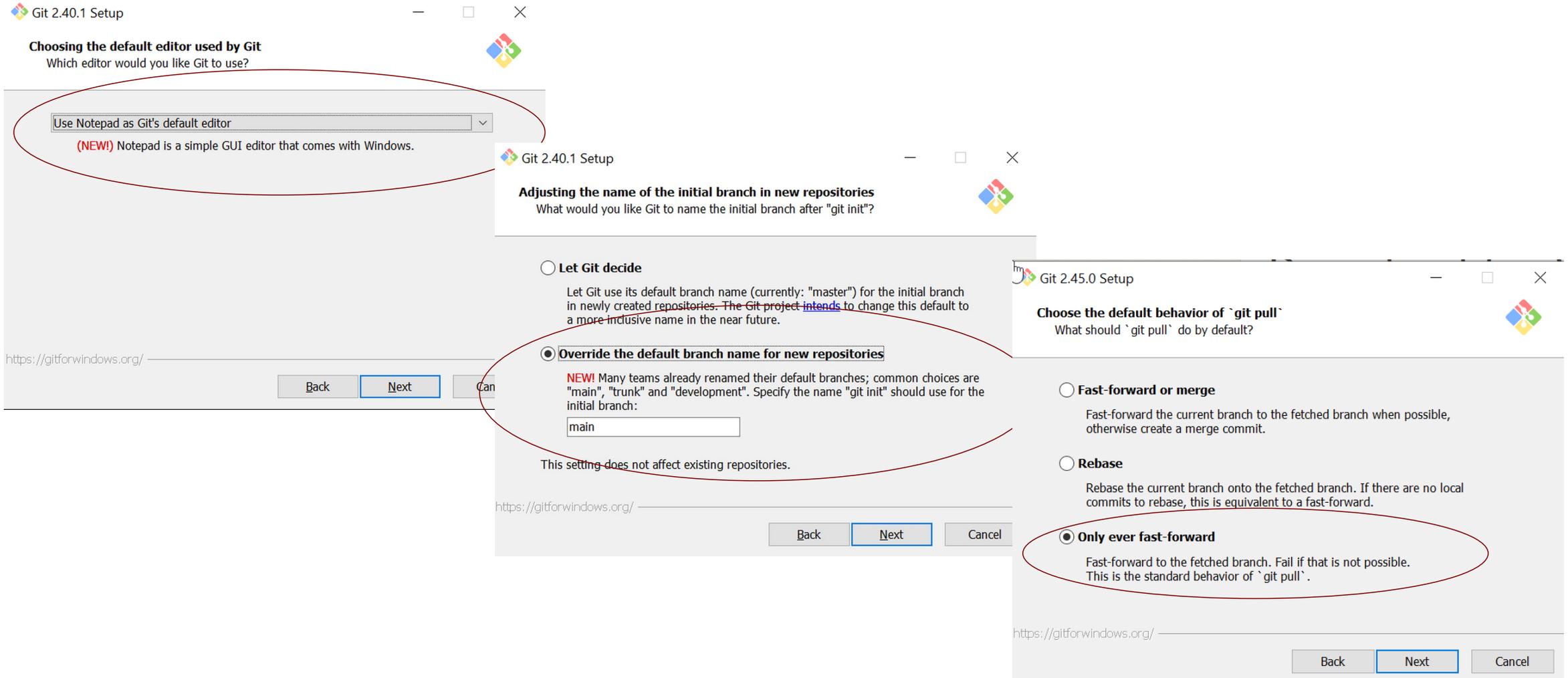
Prerequisites - simple text editor (Windows)

- We will use **Notepad** to enter git commit messages
- Configure Notepad to use a **mono-spaced** font (e.g. DejaVu Sans Mono)



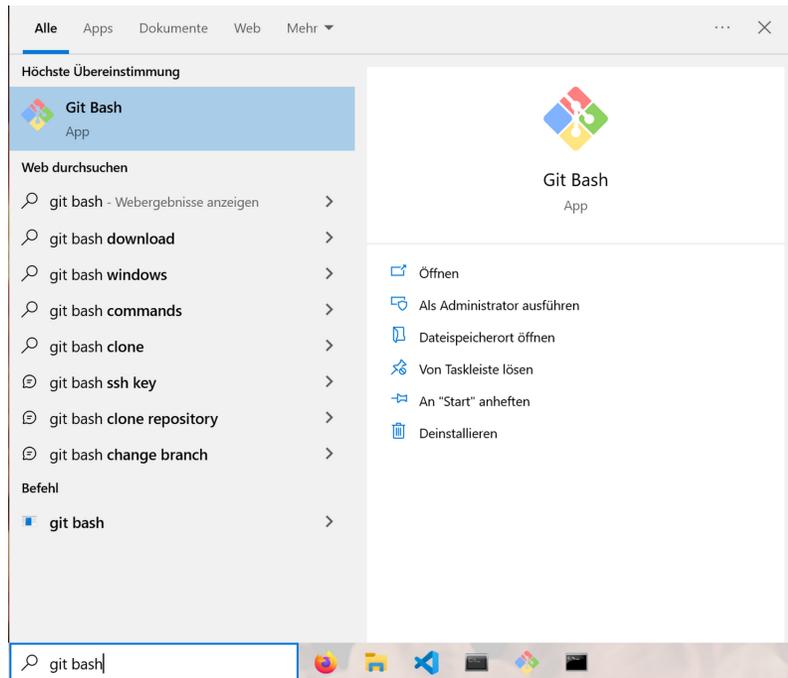
Prerequisites - Git (Windows)

- Download and install [Git for Windows](#)
- Take default options apart of following ones:



Prerequisites - Git (Windows)

- We will use the Git Bash application (part of Git for Windows) to communicate with Git



- You can even configure Git Bash to automatically initialize Conda when started by creating a `~/.bashrc` file with following two lines:

```
source ~/miniconda3/etc/profile.d/conda.sh
conda activate scipro
```

~/.bashrc

— This must match the path where Miniconda had been installed into

Prerequisites - diff-viewer (Windows)

- Download and install a suitable diff-viewer for Windows ([Meld](#) or [KDiff3](#))
- We might need the location, where the actual executable can be found

The screenshot shows a Windows File Explorer window with a search for 'KDiff3'. The context menu is open over the 'KDiff3 App' file. The 'Dateispeicherort öffnen' option is selected, and the path `\\Users\aradi\AppData\Local\Programs\KD` is displayed in a separate box. A red arrow points from the selected menu item to the path box.

Öffnen
Dateipfad öffnen
Als Administrator ausführen
Behandeln von Kompatibilitätsproblemen
An "Start" anheften

KDiff3 >

Mit Microsoft Defender überprüfen...
An Taskleiste anheften

Vorgängerversionen wiederherstellen

Senden an >

Ausschneiden
Kopieren

Verknüpfung erstellen
Löschen
Umbenennen

Eigenschaften

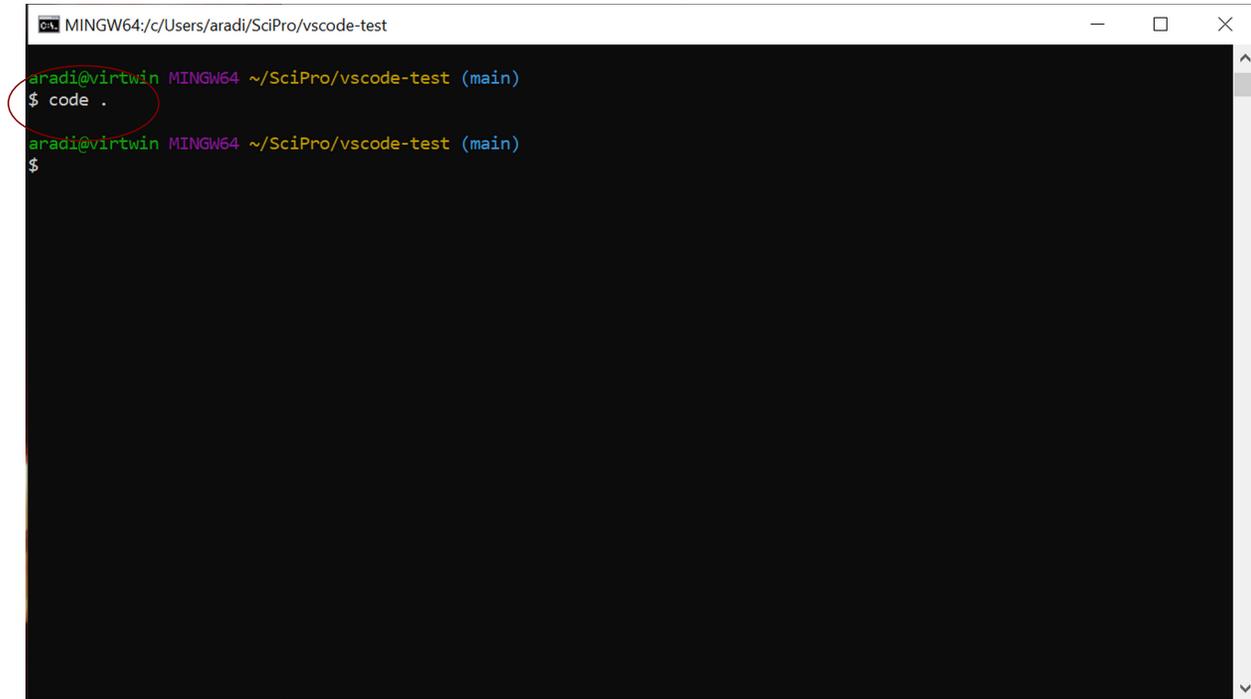
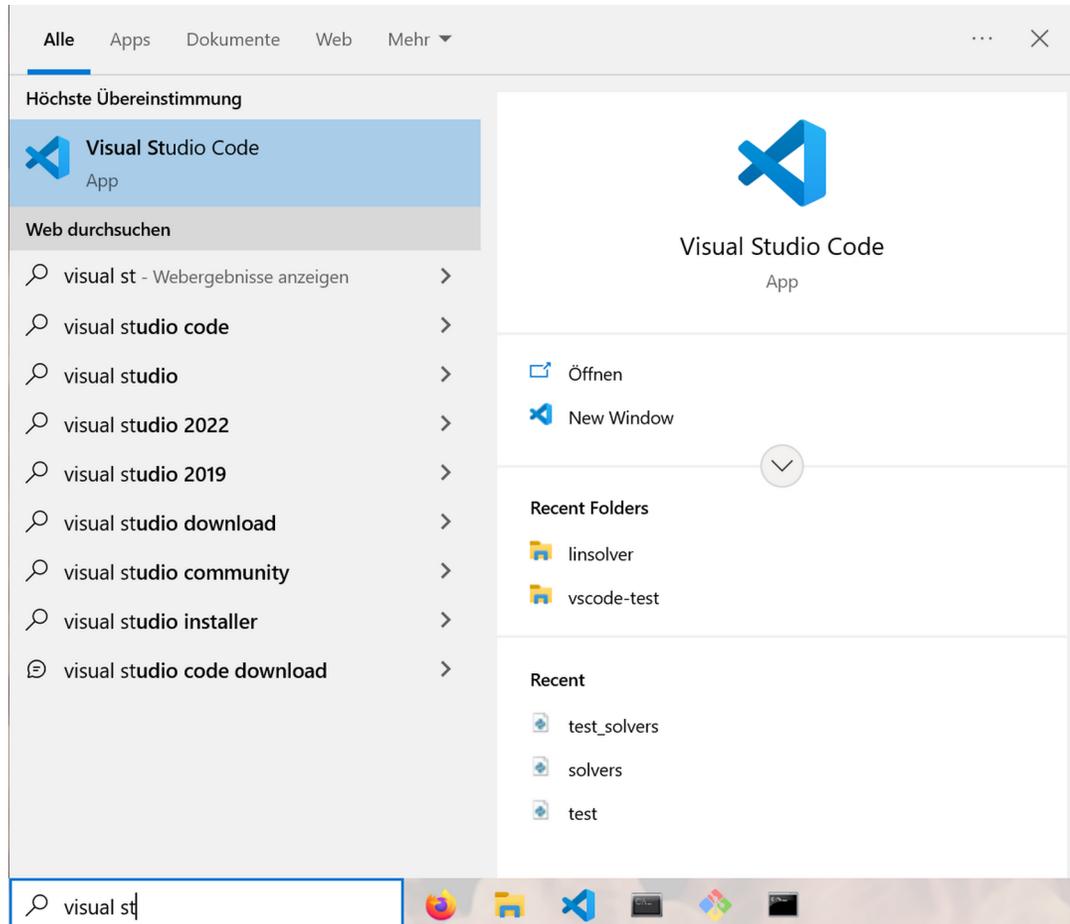
Ziel: `\\Users\aradi\AppData\Local\Programs\KD`

Prerequisites - Git & Git related tools (Linux)

- Install **git** via the package manager of your Linux distribution
- Install also a git-viewer package: **qgit** or **gitk**
- Install a diff-viewer tool: **kdifff3 (kdifff3-qt)** or **meld**
- Make sure, that a simple text editor (**nano, featherpad, leafpad, kate gedit, vim, emacs, etc.**) is installed

Prerequisites - Visual Studio Code

- Download and install [Visual Studio Code](#) for your operating system
- You can start Visual Studio Code via menu or by entering “code” in the Git Bash shell



- See [Getting started with Visual Studio Code](#) for a quick introduction