Einstellungen

```
C:\Users\_SIM_>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:/Users/_SIM_/AppData/Local/Programs/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=main
core.editor="C:\Users\_SIM_\AppData\Local\Programs\Microsoft VS Code\bin\code.cmd" --wait
user.name=_SIM_
user.email=simulatan2319@gmail.com
user.signingkey=9D3C85D3444B7E6D
gpg.program=C:\Users\_SIM_\AppData\Local\Programs\Git\usr\bin\gpg.exe
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
commit.gpgsign=true
```

Git init

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git init
Initialized empty Git repository in C:/Files/SCHULE/CPR/CPRSW/ProtokollRepo/.git/

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>ls -la
total 4
drwxr-xr-x 1 XPS13+_SIM_ 197121 0 Dec 14 08:22 .
drwxr-xr-x 1 XPS13+_SIM_ 197121 0 Dec 14 08:22 ..
drwxr-xr-x 1 XPS13+_SIM_ 197121 0 Dec 14 08:22 .git

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>
```

Git status

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>_
```

Inhalt adden

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>touch firstFile.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        firstFile.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git add firstFile.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   firstFile.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>
```

Inhalt committen

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m  "First file added"
[main (root-commit) 0601672] First file added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 firstFile.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
nothing to commit, working tree clean

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>
```

Inhalt verändern

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   firstFile.txt

no changes added to commit (use "git add" and/or "git commit -a")

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git add firstFile.txt
warning: LF will be replaced by CRLF in firstFile.txt.
The file will have its original line endings in your working directory

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   firstFile.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m "Add line to firstFile.txt<2
[main 18fb94b] Add line to firstFile.txt<2
 1 file changed, 1 insertion(+)
```

Dateien löschen

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>touch delFile.txt delFile2.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        delFile.txt
        delFile2.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git add .

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git rm delFile.txt
error: the following file has changes staged in the index:
    delFile.txt
(use --cached to keep the file, or -f to force removal)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   delFile.txt
        new file:   delFile2.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m "Delete file 2" delFile2.txt
[main 7005e98] Delete file 2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 delFile2.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git rm delFile2.txt -f
rm 'delFile2.txt'

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    delFile2.txt -> delFile.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m "Delete file"
[main 683fea9] Delete file
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename delFile2.txt => delFile.txt (100%)
```

Dateien löschen 2

```
C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>touch doNotTrack.txt doNotTrack2.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        doNotTrack.txt
        doNotTrack2.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git add .

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git rm --cached doNotTrack.txt
rm 'doNotTrack.txt'

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   doNotTrack2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        doNotTrack.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m "Added doNotTrack files"
[main 5ffad67] Added doNotTrack files
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack2.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git rm --cached doNotTrack2.txt
rm 'doNotTrack2.txt'

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    doNotTrack2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        doNotTrack.txt
        doNotTrack2.txt


C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>git commit -m "untrack doNotTrack2.txt"
[main eda132e] untrack doNotTrack2.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 doNotTrack2.txt

C:\Files\SCHULE\CPR\CPRSW\ProtokollRepo>
```

Dateien umbenennen

```
C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git mv doNotTrack2.txt doTrack.txt

C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    doNotTrack2.txt -> doTrack.txt


C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git commit -m "renamed file"
[main fb310a7] renamed file
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename doNotTrack2.txt => doTrack.txt (100%)
```

Änderungen einer File restoren

```
C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   firstFile.txt

no changes added to commit (use "git add" and/or "git commit -a")

C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git restore firstFile.txt

C:\Files\SCHULE\CPR\CPRSW\FirstRepo>git status
On branch main
nothing to commit, working tree clean
```