Lokales Repo erzeugen

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git init
Initialized empty Git repository in C:/Users/seppi/Desktop/Schule/2. Klasse/CPRSW/Aufgabe/.git/

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>dir /ahd
 Datenträger in Laufwerk C: ist Acer
 Volumeseriennummer: 8C85-5A44

 Verzeichnis von C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe

30.11.2021  09:29    <DIR>          .git
               0 Datei(en),              0 Bytes
               1 Verzeichnis(se), 730.147.835.904 Bytes frei

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>
```

Status prüfen

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master

No commits yet

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

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>
```

Inhalt adden

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master

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:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git add firstFile.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master

No commits yet

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

Inhalt committen

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit -m "First file added"
[master (root-commit) 0c5dd65] First file added
 1 file changed, 1 insertion(+)
 create mode 100644 firstFile.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
nothing to commit, working tree clean

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>
```

Inhalt verändern

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
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:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git add firstFile.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   firstFile.txt


C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit -m "Zeile hinzugefügt"
[master 8d454a4] Zeile hinzugefügt
 1 file changed, 1 insertion(+)
```

Dateien löschen

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
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:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git add .

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>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:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git rm -f delFile.txt
rm 'delFile.txt'

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   delFile2.txt


C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit -m "Delete File"
[master 9ef8211] Delete File
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 delFile2.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git rm -f delFile2.txt
rm 'delFile2.txt'

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    delFile2.txt


C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit -m "File deleted"
[master cbcf375] File deleted
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 delFile2.txt
```

Dateien löschen (Untracken)

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   doNotTrack.txt
        new file:   doNotTrack2.txt


C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git rm --cached doNotTrack.txt
rm 'doNotTrack.txt'

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
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:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit doNotTrack2.txt -m "do not track 2"
[master dfda358] do not track 2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack2.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        doNotTrack.txt

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

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git rm --cached doNotTrack2.txt
rm 'doNotTrack2.txt'

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
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
```

Dateien umbenennen

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git add doNotTrack.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit doNotTrack.txt -m "To be renamed"
[master 9f2188c] To be renamed
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>ggit mv doNotTrack.txt doTrack.txt
Der Befehl "ggit" ist entweder falsch geschrieben oder
konnte nicht gefunden werden.

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git mv doNotTrack.txt doTrack.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    doNotTrack.txt -> doTrack.txt

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


C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git commit -m "renamed files"
[master 0c53c76] renamed files
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename doNotTrack.txt => doTrack.txt (100%)
```

Änderung einer Datei restoren

```
C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
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

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

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

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git restore firstFile.txt

C:\Users\seppi\Desktop\Schule\2. Klasse\CPRSW\Aufgabe>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        doNotTrack2.txt

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