Lokales Repo erzeugen:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git init
Initialized empty Git repository in C:/Users/Sophie/Documents/HTL/2021 - 2022/CPR/Software/WiederholungProtokoll/.git/
```

```
 Verzeichnis von C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll

30.11.2021  09:31    <DIR>          .git
               0 Datei(en),              0 Bytes
               1 Verzeichnis(se), 884 558 782 464 Bytes frei
```

Status prüfen:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git status
On branch master

No commits yet

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

Inhalt adden:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git add firstFile.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git status
On branch master

No commits yet

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


C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>
```

Inhalt committen:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "first commit"
[master (root-commit) 4ced9e5] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 firstFile.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git status
On branch master
nothing to commit, working tree clean

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>
```

Inhalt verändern:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git add firstFile.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   firstFile.txt


C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "added some lines in firstFil
e"
[master 9c1c308] added some lines in firstFile
 1 file changed, 1 insertion(+)
```

Dateien löschen:
(Vollständig)

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git rm -f delFile2.txt
rm 'delFile2.txt'

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    delFile2.txt


C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "Datei gelöscht"
[master 24a0fa8] Datei gelöscht
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 delFile2.txt
```

(Nur aus Versionsverwaltung)

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "commiting Datei um sie wi
eder unzutracken"
[master 9ba14e0] commiting Datei um sie wieder unzutracken
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack2.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git rm --cached doNotTrack2.txt
rm 'doNotTrack2.txt'

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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


C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "datein sind untracked"
[master 0005355] datein sind untracked
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 doNotTrack2.txt
```

Dateien umbenennen

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git mv doNotTrack.txt doTrack.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git commit -m "renamed files"
[master 842ec1d] renamed files
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename doNotTrack.txt => doTrack.txt (100%)
```

Änderung einer Datei restoren:

```
C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>git restore firstFile.txt

C:\Users\Sophie\Documents\HTL\2021 - 2022\CPR\Software\WiederholungProtokoll>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)
```