

Kommandozeileninterpreter

```
PS C:\Windows\System32>cmd.exe
C:\Valina\sj2122\software\firstRepo>git status
starting fsmonitor-daemon in 'C:\Alina\sj2122\software\firstRepo'
On branch master

No commits yet

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

C:\Valina\sj2122\software\firstRepo>git add firstFile.txt
fatal: pathspec 'firstFile.txt' did not match any files

C:\Valina\sj2122\software\firstRepo>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:\Valina\sj2122\software\firstRepo>git add --all
C:\Valina\sj2122\software\firstRepo>git status
On branch master

No commits yet

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

C:\Valina\sj2122\software\firstRepo>git commit -m "First file added"
[master (root-commit) 8e48ee] First file added
 1 file changed, 3 insertions(+)
 create mode 100644 firstFile.txt

C:\Valina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Valina\sj2122\software\firstRepo>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)
nothing added to commit but untracked files present (use "git add" to track)
```

Git Repository

```
PS C:\Windows\System32>cmd.exe
nothing to commit, working tree clean

C:\Valina\sj2122\software\firstRepo>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:\Valina\sj2122\software\firstRepo>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:\Valina\sj2122\software\firstRepo>git commit -a -m "Zeile hinzugefügt"
[master d5fa02] Zeile hinzugefügt
 1 file changed, 3 insertions(+)

C:\Valina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Valina\sj2122\software\firstRepo>git log --pretty=oneline
85faad2a872b01e14d4056829c47605a4e0b0aa (HEAD -> master) Zeile hinzugefügt
8e48ee4a6331f56d42140952bc011b2878292acd First file added

C:\Valina\sj2122\software\firstRepo>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:\Valina\sj2122\software\firstRepo>git add delFile.txt
C:\Valina\sj2122\software\firstRepo>git add delFile2.txt
C:\Valina\sj2122\software\firstRepo>git status
On branch master

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   delFile.txt
    new file:   delFile2.txt
```

Git repository (lokal)

```
C:\Valina\sj2122\software\firstRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   delFile.txt
    new file:   delFile2.txt

C:\Valina\sj2122\software\firstRepo>git commit -m "will be deleted"
[master e6117d4] will be deleted
 2 files changed, 2 insertions(+)
 create mode 100644 delFile.txt
 create mode 100644 delFile2.txt

C:\Valina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Valina\sj2122\software\firstRepo>git add delFile.txt
C:\Valina\sj2122\software\firstRepo>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:\Valina\sj2122\software\firstRepo>git add --all
C:\Valina\sj2122\software\firstRepo>git status
On branch master

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   firstFile.txt

C:\Valina\sj2122\software\firstRepo>git rm -f delFile.txt
rm 'delFile.txt'

C:\Valina\sj2122\software\firstRepo>git status
On branch master

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:    delFile.txt
    modified:   firstFile.txt
```

Lokales repo erzeugen

Status prüfen

Inhalt adden

```
C:\Alina\s2122\software\firstRepo>git commit -m "Message"
[master 137f1b1] Message
 2 files changed, 1 insertion(+), 2 deletions(-)
 delete mode 100644 delFile.txt

C:\Alina\s2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\s2122\software\firstRepo>git rm -f delFile2.txt
rm 'delFile2.txt'

C:\Alina\s2122\software\firstRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    delFile2.txt

C:\Alina\s2122\software\firstRepo>git commit -m "Message"
[master acaf498] Message
 1 file changed, 1 deletion(-)
 delete mode 100644 delFile2.txt

C:\Alina\s2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\s2122\software\firstRepo>git status
On branch master
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:\Alina\s2122\software\firstRepo>git add --all
Der Befehl "git" ist entweder falsch geschrieben oder
konnte nicht gefunden werden.

C:\Alina\s2122\software\firstRepo>git status
On branch master
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:\Alina\s2122\software\firstRepo>git add --all

C:\Alina\s2122\software\firstRepo>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:\Alina\s2122\software\firstRepo>git rm --cached doNotTrack.txt
rm 'doNotTrack.txt'

C:\Alina\s2122\software\firstRepo>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:\Alina\s2122\software\firstRepo>git commit -m "notTrack2"
[master 48a2689] notTrack2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack2.txt

C:\Alina\s2122\software\firstRepo>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:\Alina\s2122\software\firstRepo>git rm --cached doNotTrack2.txt
rm 'doNotTrack2.txt'

C:\Alina\s2122\software\firstRepo>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:\Alina\s2122\software\firstRepo>git commit -m "untracked"
[master 734ad6d] untracked
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 doNotTrack2.txt

C:\Alina\s2122\software\firstRepo>git status
On branch master
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:\Alina\s2122\software\firstRepo>git add --all

C:\Alina\s2122\software\firstRepo>git commit -m "untracked"
[master d68b589] untracked
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 doNotTrack.txt
 create mode 100644 doNotTrack2.txt

C:\Alina\s2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\s2122\software\firstRepo>git mv doNotTrack.txt doTrack.txt

C:\Alina\s2122\software\firstRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    doNotTrack.txt -> doTrack.txt

C:\Alina\s2122\software\firstRepo>git commit -m "renamed files"
[master 04eb14f] renamed files
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename doNotTrack.txt -> doTrack.txt (100%)

C:\Alina\s2122\software\firstRepo>git status
On branch master
```

Inhalt committen

Inhalt verändern

Dateien löschen 1

Dateien löschen 2

Dateien umbenennen

```
create mode 100644 doNotTrack2.txt

C:\Alina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\sj2122\software\firstRepo>git mv doNotTrack.txt doTrack.txt

C:\Alina\sj2122\software\firstRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:   doNotTrack.txt -> doTrack.txt

C:\Alina\sj2122\software\firstRepo>git commit -m "renamed files"
[master 04eb14f] renamed files
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename doNotTrack.txt => doTrack.txt (100%)

C:\Alina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\sj2122\software\firstRepo>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:\Alina\sj2122\software\firstRepo>git restore firstFile.txt

C:\Alina\sj2122\software\firstRepo>git status
On branch master
nothing to commit, working tree clean

C:\Alina\sj2122\software\firstRepo>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:\Alina\sj2122\software\firstRepo>git status
```

Änderung einer Datei restaurieren

Bestehendes Github repo klonen

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

C:\Alina\sj2122\software\firstRepo>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:\Alina\sj2122\software\firstRepo>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:\Alina\sj2122\software\firstRepo>git restore firstFile.txt

C:\Alina\sj2122\software\firstRepo>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:\Alina\sj2122\software\firstRepo>git restore firstFile.txt

C:\Alina\sj2122\software\firstRepo>cd ..

C:\Alina\sj2122\software>cd cprsw

C:\Alina\sj2122\software\cprsw>git clone https://github.com/MartinaReisHTL/CPRSW_StudentsShare.git
Cloning into 'CPRSW_StudentsShare'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 13 (delta 3), reused 6 (delta 0), pack-reused 0R
Receiving objects: 100% (13/13), 1.14 MiB | 4.59 MiB/s, done.
Resolving deltas: 100% (3/3), done.

C:\Alina\sj2122\software\cprsw>dir /adh
Datenträger in Laufwerk C: ist Windows
```

Befehle:

Git clone *link*: aus github clonen

Git status: zeigt an ob dateien geaddet oder commitet wurden

Git add: addet datei

Git commit -m: commitet Datei

Git push: lädt datei ins respo

Git init: erstellt repo in aktuellem Ordner

Git log: git history anzeigen

Git rm -f file.txt: löschen auch von Festplatte

Git rm --cached file.txt: löschen nur aus Versionsverwaltung