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Basics

```
git init => Frisches Repo erstellen
git clone => Repo kopieren (Verzeichnis prüfen!)

git pull => So startet man den Tag! (ggf. mergen!)
git add [.|file|pattern] => nur staging auf Rampe

git status -s => globale Änderungen (short)
git log --pretty=oneline => Historie in Github
git diff => ist passiert? --cached besser --HEAD
gitk => Tool für visuelle History & Diff

git commit [.|file|fpattern] => -a für all (emoji!)
git push => wie upload

git rm/mv file => Aus dem Index raus!
Danach (!) ggf. echtes remove. Hilfreich dann:
git commit -m "removed file CNAME weil Mist"
```

Reverting (committing an undo of previous)

```
git reset --hard (no undo, throw away all changes!)
git revert -ref
git commit -a --amend
git checkout ref file
```

Links [Github](#), [Reference Manual](#), use [emoji's!](#)
[Apress Buch](#) (D), [Kurzreferenz!](#), [Git-Magic!](#),
[erfolgreich Branchen](#), [CheatSheet](#), [InterAct](#), [CS1](#), [CS2](#), [CS3](#),
[Semantic Versioning!](#) [Internal-Cheat-Sheet](#), [Einfach](#)



Advanced

```
git branch [-av] => list all
git branch testlib => I want a new branch!
git checkout testlib => now commit + push here
git push origin testlib => Push branch to source=origin
git checkout master => all files dissappear! Used to switch!
```

Jetzt den neuen Branch holen: (visuell [löschen](#))
clone + **git checkout -b** testlib origin/testlib oder
git clone git@github.com:name/app.git -b master

```
git tag => lists all tags = revisions!
git tag [-a] v0.1 -m "can play one move"
git push --tags => sonst gehen die nicht mit :-(
```

Global Configurations

```
git config --global color.ui always
git config credential.helper cache --timeout=2592000 //1Mon
git config credential.helper store //plaintext :-(
git-credential-[store|wincred].exe
$ git config --global core.editor vim
```

- [] GitHub Task

Tipps & Tricks

- consider working in a **branch** and merge later if unsure
- make one **commit per file** with a short message
(this reads better in GitHub)
- Refer to lines by **selecting** the **line** and get the **link** to it
- Regelmäßig **versionieren**! In Code, in Project File, in Github and then savecopy!

Branch mit Comments:

```
git diff --name-status master dev  
> gitk branch1 branch2
```

First click on the tip of branch1. Now right-click on the tip of branch2 and select Diff this->selected.

In GitHub in Branch gehen und dann commits anschauen = diff

```
git checkout better_branch  
git merge --strategy=ours --no-commit master # keep the content of this branch, but record a merge  
git commit # add information to the template merge message  
git checkout master  
git merge better_branch # fast-forward master up to the merge
```