

# git cheatsheet v0.1 (@bm4cs)

## **.gitconfig**

```
[user]
  name = Ben Simmonds
  email = ben@bencode.net
  autocrlf = true
[pull]
  rebase = true
[diff]
  tool = bc4
[difftool bc4]
  path=~/.opt/bc4/bcomp
[merge]
  tool = bc4
[mergetool bc4]
  path=~/.opt/bc4/bcomp
```

## **checkout**

```
checkout <tree-ish> checkout a branch
checkout -- <pathspec> checkout a file from branch
```

## **rebase or merge**

```
pull --rebase rebase any new commits from others
```

## **log**

```
show --pretty='' --name-status deadb33f list file in
commit
log --author=Benjamin
log -- grep contents
log --all --grep='bug-1337' find commits with log text
log --after=01/10/2018
log --before="1 week ago"
```

## **diff**

```
diff HEAD^ HEAD Kerbal.java to previous
diff 957... HEAD Kerbal.java to specific commit
difftool HEAD~4 Kerbl.java to 4 revs ago in GUI
diff --cached commit and stage
diff master feature1 readme.md a file between branches
diff master...develop branches
```

## **commit**

```
commit --amend --no-edit
```

## **reset**

```
reset --hard deadb33f resets everything (dirty, index) to
commit or branch
reset --soft deadb33f preserve dirty, set HEAD to a com-
mit, stage changes (squash)
reset --mixed 1337123 like soft, without stage (unstage)
```

## **patches**

```
diff > b.patch make a patch file
add . && diff --cached > b.patch with new additions
diff --cached --binary > b.patch with binary files
apply b.patch apply a patch file
```

## **stash**

```
stash
stash pop
```

## **miscellaneous**

```
cherry-pick 1337123 apply commit from another branch
```