

# Git Commands Overview

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# Basics

## Creating a new repository

```
mkdir project
```

```
cd project
```

```
git init
```

```
git remote add origin git@github.com:yourlogin/your-repo.git
```

```
git add .
```

```
git commit -am "new repository"
```

```
git push -u origin master
```

## Cloning existing repository

```
git clone https://github.com/username/your-repo.git
```

## Creating branch

```
git checkout -b feature-1
```

**you are now in a branch, you can edit and create new files**

```
git add .
```

```
git commit -am "new feature"
```

## Merging branch to master

```
git checkout master
```

git merge feature-1

git push Deleting branch

git branch -d feature-x

## List all branches

git branch -a

## Switch branch

git checkout feature-x

## Switch to master branch

git checkout master

## Listing Remote repositories

git remote -v

## Replacing remote repository

**in case your remote repository changes, or you want to switch from HTTPS->SSH or SSH->HTTPS**

git remote remove origin

git remote add origin git@github.com:yourlogin/your-repo.git

# Revert commits

## revert to last commit:

```
git reset --soft HEAD~1
```

revert to commit X and don't forget the final '.'

```
git checkout <commit-id> .
```

## Add this version to the staging area and push to remote

```
git add .  
git commit -m "Reverting to <commit-id>"  
git push
```