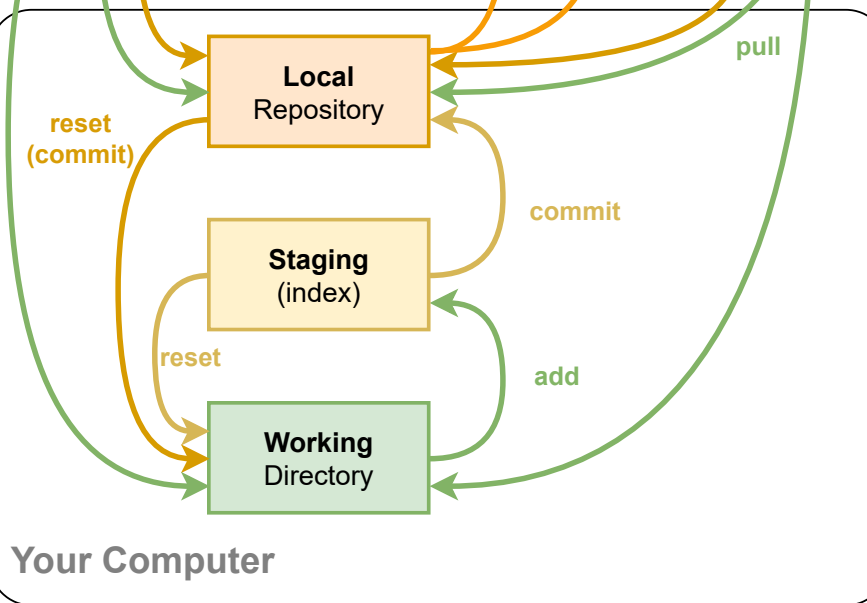
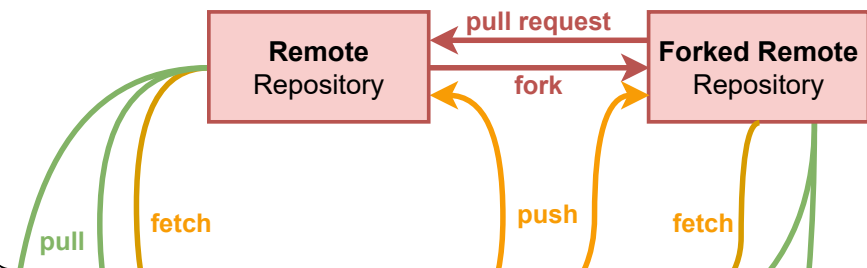


GitHub



Your Computer

Create a Repository

From scratch - Create a new local repository

```
$ git init [project name]
Download from and existing repository
$ git clone my_url
```

Download from and existing repository an specific branch

```
$ git clone -b my_branch my_url
```

Observe the Repository

List new or modified files not yet committed

```
$ git status
```

Show the changes to files not yet staged

```
$ git diff
```

Show the changes to staged files

```
$ git diff --cached
```

List the change dates and authors for a file

```
$ git blame [files]
```

Show change history in fancy way

```
$ git log --oneline --decorate --graph --all
```

Show change history

```
$ git log
```

Show change history for file/directory including diffs

```
$ git diff HEAD
```

Show the changes between two commits

```
$ git diff commit1 commit2
```

Working with Branches

List all local banches

```
$ git branch
```

List all branches, local and remote

```
$ git branch -av
```

Switch to a branch and update working directory

```
$ git checkout my_branch
```

Create a new branch from current one

```
$ git checkout -b new_branch
```

Delete a branch LOCALLY

```
$ git branch -d my_branch
```

Delete a branch REMOTELY

```
$ git push --delete origin my_branch
```

Merge branch_to to branch_from

```
$ git checkout branch_to
$ git merge branch_from
```

Working with remotes

Check remotes

```
$ git remote -v
```

Add remote repository

```
$ git remote add [name] my_url
```

Stashing

Store unstaged changes for later

```
$ git stash
```

Apply stored changes

```
$ git stash pop
```

Make a change

Stage files, ready for commit

```
$ git add [files]
```

Stage all changed files, ready for commit

```
$ git add --all
```

Commit all staged files with signed history

```
$ git commit -s -m "commit message"
```

Unstage files, keeping file changes

```
$ git reset [files]
```

Revert everything to the last commit

```
$ git reset --hard
```

Synchronize

Get the Latest changes from origin (no merge)

```
$ git fetch
```

Get the Latest changes from origin and merge

```
$ git pull
```

Get the Latest changes from origin and rebase

```
$ git pull --rebase
```

Push local changes to origin

```
$ git push
```

Push local new branch to origin

```
$ git push -u origin new_branch
```