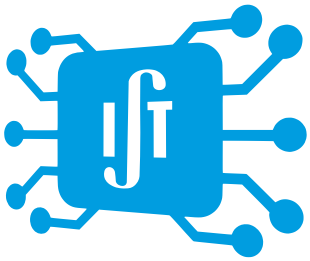
NEEC



CREATE

Clone an existing repository
```
$ git clone https://github.com/<user>/<nome-rep>.git
```

Create a new local repository
```
$ git init
```

LOCAL CHANGES

Changed files in your working directory
```
$ git status
```

Changes to tracked files
```
$ git diff
```

Add all current changes to the next commit
```
$ git add .
```
Add some changes in <file> to the next commit
```
$ git add -p <file>
```

Commit all local changes in tracked files
```
$ git  commit -a
```

Commit previously staged changes
```
$ git commit -m 'message'
```

COMMIT HISTORY

Show all commits, starting with newest
```
$ git log
```

Show changes over time for a specific file
```
$ git  log -p <file>
```

Who changed what and when in <file>
```
$ git blame <file>
```

BRANCHES & TAGS

List all existing branches
```
$ git branch -av
```

Switch Head branch
```
$ git checkout <branch>
```

Create a new branch based on your current HEAD
```
$ git  branch <new-branch>
```

Create a new tracking branch based on a remote branch
```
$ git checkout --track <remote/branch>
```

Delete a local branch
```
$ git branch -d <branch>
```

Mark the current commit with a tag
```
$ git tag <tag-name>
```

UPDATE & PUBLISH

List all currently configured remotes
```
$ git remote -v
```

Show information about a remote
```
$ git remote show <remote>
```

Add new remote repository, named <remote>
```
$ git remote add <shortname> <url>
```

Download all changes from <remote>, but don't integrate into HEAD
```
$ git fetch <remote>
```

Download changes and directly merge/integrate into HEAD
```
$ git pull <remote> <branch>
```

Publish local changes on a remote
```
$ git push <remote> <branch>
```

Delete a branch on the remote
```
$ git branch -dr <remote/branch>
```

Publish your tags
```
$ git push --tags
```

MERGE & REBASE

Merge <branch> into your current HEAD
```
$ git merge <branch>
```

Use your configured merge tool to solve conflicts
```
$ git mergetool
```

Use your editor to manually solve conflicts and (after resolving) mark file as resolved
```
$ git  add <resolved-file>
$ git  rm <resolved-file>
```

UNDO

Discard all local changes in your working directory
```
$ git reset --hard HEAD
```

Discard local changes in a specific file
```
$ git checkout HEAD <file>
```

Revert a commit (by producing a new commit with contrary changes)
```
$ git revert <commit>
```

Reset your HEAD pointer to a previous commit

...and discard all changes since then
```
$ git  reset --hard <commit>
```
...and preserve all changes as unstaged changes
```
$ git reset <commit>
```
...and preserve uncommitted local changes
```
$ git reset --keep <commit>
```