

Setup

To setup username and user email

```
$ git config --global user.name "Example"
```

```
$ git config --global user.email "example@gmail.com"
```

Initialize the Git

```
$ git init : Initialize the Git
```

```
$ git clone <url> : Copy the remote repository
```

Untracked, Staging, Tracked

```
git add <filename> : Add a file to staging
```

```
git add . : Add all file to staging
```

```
git commit -m "commit message": Commit all staged file
```

```
git commit -am "commit message" : To add and commit together
```

```
git status : To view current status of file
```

Branches

```
git branch : View the all branches
```

```
git branch <branchname> : Create a new branch
```

```
git checkout -b <branchname> : Create a new branch and switch to it
```

```
git checkout <branchname>: Switch to a branch
```

```
git branch -d <branchname> : Delete a branch
```

Logs Check

```
git log : Check commits history in detail
```

```
git log --oneline : Shows commit history in one line
```

```
git diff : Shows changes in files
```

Merge Branches

If you want to merge branch A to B then,

```
git checkout B
```

```
git merge A
```

```
git rebase : It is also used to merge the branches but it is also merged the commit history.
```

Undo changes

```
git rm <filename> : Remove a file from working directory
```

```
git rm --cached <filename> : Remove from staging area
```

```
git revert <Commit ID> Reverting the commit
```

```
git reset <commit ID> It will delete all commits
```

Git/Github

```
git clone <url> : Create a local copy of remote repo
```

```
git remote : To view the remote repo
```

```
git push : Push local changes to remote
```

```
git pull : Pull remote files to local.
```

Git cherry-pick

If you only want a specific commit to merge in another branch then you can use it.

```
git cherry-pick <commit ID>
```



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