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# GIT

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# Advantages of GIT

- Free and open source
- Distributed
- Small and Fast
- Branching and merging
- Staging area
- Data assurance

# Major GIT commands

- `git clone <remoteLocation>`
- `git init`
- `git add --all` or `git add -A`
- `git commit` or `git commit -m "Message for each commit"`
- `git status`

# Major GIT commands(branching)

- `git branch`
- `git branch -a`
- `git branch -b`
- `git checkout <branchName>`
- `git remote`
- `git merge`

# Git commit commands

- `git push`
- `git fetch`
- `git reset`
- `git log`
- `git show`
- `git stash`

# Python script for GIT commands

- pullmerge:
- mergepush:

# Reference

- <https://git-scm.com/about/small-and-fast>
- <https://www.siteground.com/tutorials/git/commands.htm>