# GIT and GITHUB

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| Description | Command |
| GitHub to local | git clone git@github.com:daoliuhe/GUI.git |
| Add new file to GitHub | git add newfile\_name  git commit –m ‘message’  git push (origin master) |
| Add changed file to GitHub | git add .  git commit –m ‘message’ OR git commit . –m ‘message’  git push (origin master) |
| Create a new branch | git branch branch\_name |
| list your available branches | git branch |
| Show commit history | git log |
| Back to last version | git reset --hard HEAD^ |
| Back to last second version | git reset --hard HEAD^^ |
| List dictionary contents | ls |
| List hidden files in root | ls -la |
| Edit file in shell | vim demo.py  click i to enable edition  click ESC, then shift + :  save and exit wq, unsave and exit q! |
| Branch to local | git pull branch\_name |
| Fork workflow | Fork repository  Git add .  Git commit –m “msg”  Git push origin to branch\_name  Pull request online |