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<pre> \$ git init # Print & Set Some Basic Config Variables (Global) \$ git config --global user.email "MyEmail@Zoho.com" \$ git config --global user.name "My Name" # Quickly check available commands \$ git help # Check all available commands \$ git help -a # Command specific help - user manual # git help <command_here> \$ git help add \$ git help commit \$ git help init # or git <command_here> --help \$ git add --help \$ git commit --help \$ git init --help \$ echo "temp/" >> .gitignore \$ echo "private_key" >> .gitignore # Will display the branch, untracked files, changes and other differences \$ git status # To learn other "tid bits" about git status \$ git help status # add a file in your current working directory \$ git add HelloWorld.java # add a file in a nested dir \$ git add /path/to/file/HelloWorld.c # Regular Expression support! \$ git add ./*.java # You can also add everything in your working directory to the staging area. \$ git add -A # list existing branches & remotes \$ git branch -a # create a new branch \$ git branch myNewBranch # delete a branch \$ git branch -d myBranch # rename a branch # git branch -m <oldname> <newname> \$ git branch -m myBranchName myNewBranchName # edit a branch's description \$ git branch myBranchName --edit-description # List tags \$ git tag # Create a annotated tag # The -m specifies a tagging message, which is stored with the tag. # If you don't specify a message for an annotated tag, # Git launches your editor so you can type it in. \$ git tag -a v2.0 -m 'my version 2.0' # Show info about tag # That shows the tagger information, the date the commit was tagged, # and the annotation message before showing the commit information. \$ git show v2.0 # Push a single tag to remote \$ git push origin v2.0 </pre>		

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<pre> # Push a lot of tags to remote \$ git push origin --tags # Checkout a repo - defaults to master branch \$ git checkout # Checkout a specified branch \$ git checkout branchName # Create a new branch & switch to it # equivalent to "git branch <name>; git checkout <name>" \$ git checkout -b newBranch # Clone learnxinyminutes-docs \$ git clone https://github.com/adambard/learnxinyminutes-docs.git # shallow clone - faster cloning that pulls only latest snapshot \$ git clone --depth 1 https://github.com/adambard/learnxinyminutes-docs.git # clone only a specific branch \$ git clone -b master-cn https://github.com/adambard/learnxinyminutes-docs.git - -single-branch # commit with a message \$ git commit -m "Added multiplyNumbers() function to HelloWorld.c" # signed commit with a message (user.signingkey must have been set # with your GPG key e.g. git config --global user.signingkey 5173AAD5) \$ git commit -S -m "signed commit message" # automatically stage modified or deleted files, except new files, and then comm it \$ git commit -a -m "Modified foo.php and removed bar.php" # change last commit (this deletes previous commit with a fresh commit) \$ git commit --amend -m "Correct message" # Show difference between your working dir and the index \$ git diff # Show differences between the index and the most recent commit. \$ git diff --cached # Show differences between your working dir and the most recent commit \$ git diff HEAD # Thanks to Travis Jeffery for these # Set line numbers to be shown in grep search results \$ git config --global grep.lineNumber true # Make search results more readable, including grouping \$ git config --global alias.g "grep --break --heading --line-number" # Search for "variableName" in all java files \$ git grep 'variableName' -- '*.java' # Search for a line that contains "arrayListName" and, "add" or "remove" \$ git grep -e 'arrayListName' --and \(-e add -e remove \) # Show all commits \$ git log # Show only commit message & ref \$ git log --oneline # Show merge commits only \$ git log --merges # Show all commits represented by an ASCII graph \$ git log --graph # Merge the specified branch into the current. \$ git merge branchName # Always generate a merge commit when merging \$ git merge --no-ff branchName </pre>		

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<pre># Renaming a file \$ git mv HelloWorld.c HelloNewWorld.c # Moving a file \$ git mv HelloWorld.c ./new/path/HelloWorld.c # Force rename or move # "existingFile" already exists in the directory, will be overwritten \$ git mv -f myFile existingFile # Update your local repo, by merging in new changes # from the remote "origin" and "master" branch. \$ git pull <remote> <branch> \$ git pull origin master # By default, git pull will update your current branch # by merging in new changes from its remote-tracking branch \$ git pull # Merge in changes from remote branch and rebase # branch commits onto your local repo, like: "git fetch <remote> <branch>, git # rebase <remote>/<branch>" \$ git pull origin master --rebase # Push and merge changes from a local repo to a # remote named "origin" and "master" branch. \$ git push <remote> <branch> \$ git push origin master # By default, git push will push and merge changes from # the current branch to its remote-tracking branch \$ git push # To link up current local branch with a remote branch, add -u flag: \$ git push -u origin master # Now, anytime you want to push from that same local branch, use shortcut: \$ git push \$ git stash Saved working directory and index state \ "WIP on master: 049d078 added the index file" HEAD is now at 049d078 added the index file (To restore them type "git stash apply") git pull \$ git status # On branch master nothing to commit, working directory clean \$ git stash list stash@{0}: WIP on master: 049d078 added the index file stash@{1}: WIP on master: c264051 Revert "added file_size" stash@{2}: WIP on master: 21d80a5 added number to log \$ git stash pop # On branch master # Changes not staged for commit: # (use "git add <file>..." to update what will be committed) # # modified: index.html # modified: lib/simplegit.rb # # Rebase experimentBranch onto master # git rebase <basebranch> <topicbranch> \$ git rebase master experimentBranch # Reset the staging area, to match the latest commit (leaves dir unchanged) \$ git reset # Reset the staging area, to match the latest commit, and overwrite working dir \$ git reset --hard # Moves the current branch tip to the specified commit (leaves dir unchanged) # all changes still exist in the directory. \$ git reset 31f2bb1</pre>		

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<pre># Moves the current branch tip backward to the specified commit # and makes the working dir match (deletes uncommitted changes and all commits # after the specified commit). \$ git reset --hard 31f2bb1 38b323f HEAD@{0}: rebase -i (finish): returning to refs/heads/feature/add_git_re flog 38b323f HEAD@{1}: rebase -i (pick): Clarify inc/dec operators 4fff859 HEAD@{2}: rebase -i (pick): Update java.html.markdown 34ed963 HEAD@{3}: rebase -i (pick): [yaml/en] Add more resources (#1666) ed8ddf2 HEAD@{4}: rebase -i (pick): pythonstatcomp spanish translation (#1748) 2e6c386 HEAD@{5}: rebase -i (start): checkout 02fb96d # Revert a specified commit \$ git revert <commit> # remove HelloWorld.c \$ git rm HelloWorld.c # Remove a file from a nested dir \$ git rm /pather/to/the/file/HelloWorld.c</pre>		