**Git – Git Real Question Answers**

Note that these aren’t exactly challenges, but are closer to questions.

**Introduction (Level 1)**

1. How would you get help on the add command?

**Answer: git help add**

1. How would you configure your user name across all repositories on your machine?

**Answer: git config --global user.name “Your Name”**

1. How would you add all files in a css subdirectory in your repository?

**Answer: git add css/\***

**Staging & Remotes (Level 2)**

1. How would you see what has changed since your last commit?

**Answer: git diff**

1. How would you unstage the file fruit.html from the staging area?

**Answer: git reset –soft fruit.html**

1. How would you commit the people.html file, but skip the staging process?

**Answer: git commit –a –m “Commit Message”**

1. How would you amend the dog.html file to an existing commit?

**Answer: git add dog.html then git commit --amend -m “Amended”**

1. How would you undo the last commit, and put the files back into staging?

**Answer: git reset --soft HEAD^**

1. How would you discard changes to birds.html and people.html?

**Answer: git checkout -- birds.html people.html**

1. How would you remove the most recent commit and all its changes?

**Answer: git reset --hard HEAD^**

1. How would you add a remote named “origin” at git@example.com:example/petshop.git?

**Answer: git remote add origin git@example.com:example/petshop.git**

1. How would you push from local “master” branch to remote “origin” branch?

**Answer: git push -u origin master**

**Cloning & Branching (Level 3)**

1. How would you clone a repository from git@example.com:example/grocerystory.git?

**Answer: git clone git@example.com:example/grocerystory.git**

1. How would you get a list of your remotes with a verbose output?

**Answer: git remote -v**

1. How would you create a new branch called “stock”?

**Answer: git branch stock**

1. How would you switch to your newly created “stock” branch?

**Answer: git checkout stock**

1. How would you merge the “stock” branch into the “master” branch?

**Answer: git checkout master then git merge stock**

1. How would you create and checkout the “deli” branch in a single command?

**Answer: git checkout -b deli**

**Collaboration Basics (Level 4)**

1. How would you push your local commits to the remote, knowing your local is not up to date with the remote?

**Answer: git pull then git push**

**You’ll need to update your local repository with the state of the remote repository before you can push to the remote.**

1. How would you resolve the following merge conflict to keep your changes, and disregard the other version?



**Branching (Level 5)**

1. How would you push your local branch “fruits” to the origin?

**Answer: git push origin fruits**

1. How would you retrieve the remote “vegetable” branch?

**Answer: git fetch**

1. How would you get a list of remote branches?

**Answer: git branch -r**

1. How would you delete the “fruits” branch on “origin”?

**Answer: git push origin :fruits**

1. How would you check for stale branches that are tracking “origin”?

**Answer: git remote show origin**

1. How do you clean up your local references to now-deleted remote branches?

**Answer: git remote prune origin**

1. How would you list the tags in a repository?

**Answer: git tag**

1. How would you create a tag for “v1.4.7”?

**Answer: git tag -a "v1.4.7" -m "new tag"**

1. How would you push your tags to origin?

**Answer: git push --tag**

1. How would you release the tagged “v1.8.9”?

**Answer: git checkout “v1.8.9”**

**Rebase Belong to Us (Level 6)**

1. How would you rebase the “breads” branch on “master”?

**Answer: git checkout breads then git rebase master**

**You’ll need to checkout the branch you want to rebase before you can do it**

1. After successfully rebasing the “breads” branch on “master”, how would you merge the “breads” branch into “master”?

**Answer: git checkout master then git merge breads**

**Again, you’ll need to switch to master before you can merge into it**

1. How would you retrieve changes from origin without merging them into local?

**Answer: git fetch**

1. Now that you know the changes from origin/master, how would you move your local master commits after the commits from origin/master?

**Answer: git rebase**

1. How would you resolve the conflict that occurred during a rebase to keep the version with cats and dogs?



1. How would you mark the conflicts in “index.html” as resolved, and then continue the rebase that is in process?

**Answer: git add index.html then git rebase --continue**

**History and Configuration (Level 7)**

1. How would you view the log with one commit per line?

**Answer: git log --oneline**

1. How would you see a summary of file changes?

**Answer: git diff**

1. How would you compare your “master” branch with you “forest” branch?

**Answer: git diff master forest**

1. How would you get a diff that includes the previous commit, as well as its parent?

**Answer: git diff HEAD~2**

1. How would you see the diff along with the log?

**Answer: git log -p**

1. How would you see who made what commits on the “index.html” file?

**Answer: git blame index.html**

1. What would you write in your .gitignore file to make git ignore all the files in the “logs” directory whose names end in .log?

**Answer: logs/\*.log**

1. How would you set the user.email to admin@example.com for only the repo you’re working in?

**Answer: git config user.email admin@example.com**

1. How would you set the user.name to your name for all Git repos?

**Answer: git config --global user.name “Your Name”**

1. How would you alias “git commit” to “git beholdmycodeyoupeasants”?

**Answer: git config alias.beholdmycodeyoupeasants commit**