neo4j **Start Using** Neo4j

Q

```
Feature Flags are the safest, most innovative way to continuously deliver software to end users. In
                 this cover-it-all guide, you'll discover everything you need to know about flag-based development.
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                 CloudBees.
In the previous blog, you got an understanding of what git is. In this blog, I will talk about the Top 20 Git
Commands that you will be using frequently while you are working with Git.
Here are the Git commands which are being covered:

    git config

  git init

    git clone

  git add
  • git commit

    git diff

    git reset

    git status

  • git rm
  git log
  git show
  git tag

    git branch

    git checkout

    git merge

    git remote

  git push
  git pull

    git stash

So, let's get started!
Git Commands
git config
Usage: git config -global user.name "[name]"
Usage: git config -global user.email "[email address]"
This command sets the author name and email address respectively to be used with your commits.
              edureka@master:~$ git config --global user.name "sahitikappagantula"
edureka@master:~$ git config --global user.email "sahiti.kappagantula@edureka.co"
git init
Usage: git init [repository name]
This command is used to start a new repository.
              edureka@master:~$ git init /home/edureka/Documents/DEMO
              Initialized empty Git repository in /home/edureka/Documents/DEMO/.git/
```

git clone Usage: git clone [url]

This command is used to obtain a repository from an existing URL. edureka@master:~\$ git clone https://github.com/sahitikappagantula/gitexample.git Cloning into 'gitexample'... remote: Counting objects: 28, done. remote: Compressing objects: 100% (16/16), done. remote: Total 28 (delta 5), reused 28 (delta 5), pack-reused 0 Unpacking objects: 100% (28/28), done. git add

Usage: git add [file]

This command adds a file to the staging area.

git log Usage: git log This command is used to list the version history for the current branch. edureka@master:~/Documents/DEMO\$ git log
commit 09bb8e3f996eaf9a68ac5ba8d8b8fceb0e8641e7 (HEAD -> master)

edureka@master:~/Documents/DEMO/project_2\$ git rm example.txt

This command deletes the file from your working directory and stages the deletion.

rm 'project_2/example.txt'

Author: sahitikappagantula <sahiti.kappagantula@edureka.co>

Author: sahitikappagantula <sahiti.kappagantula@edureka.co>

Date: Fri Jul 20 12:50:08 2018 +0530

Date: Fri Jul 20 12:25:17 2018 +0530

Changes made in HTML and CSS file

commit 09bb8e3f996eaf9a68ac5ba8d8b8fceb0e8641e7

New file added

commit aff3269a856ed251bfdf7ef87acb1716a2a9527a Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:07:28 2018 +0530 First Commit Usage: git log -follow[file] This command lists version history for a file, including the renaming of files also. edureka@master:~/Documents/DEMO\$ git log --follow project_1
commit 2b4c50431c127a0ae9ede4aace0b8dd1f9fcf2c5

commit b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:13:29 2018 +0530 CHanges made in HTML file commit aff3269a856ed251bfdf7ef87acb1716a2a9527a Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:07:28 2018 +0530 First Commit git show Usage: git show [commit] This command shows the metadata and content changes of the specified commit. edureka@master:~/Documents/DEMO\$ git show b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 commit b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:13:29 2018 +0530

<div class="description line-1"> Azure DevOps Project has been successfully setup</div> <div class="description line-2"> Your HTML app is up and running on Azure</div> <div class="next-steps-container"> <div class="next-steps-header">Next up</div> <div class="next-steps-body"> git tag Usage: git tag [commitID] This command is used to give tags to the specified commit. dureka@master:~/Documents/DEMO\$ git tag b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 dureka@master:~/Documents/DEMO\$ git tag ff3269a856ed251bfdf7ef87acb1716a2a9527a 01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 git branch Usage: git branch This command lists all the local branches in the current repository. edureka@master:~/Documents/DEMO\$ git branch

edureka@master:~/Documents/DEMO\$ git branch branch_1

edureka@master:~/Documents/DEMO\$ git branch -d branch_1

Deleted branch branch_1 (was be040cc).

git merge Usage: git merge [branch name]

Usage: git remote add [variable name] [Remote Server Link]

This command is used to connect your local repository to the remote server.

This command is used to switch from one branch to another.

Switched to branch 'branch_2'

This command creates a new branch and also switches to it.

Usage: git branch [branch name]

This command creates a new branch.

Usage: git branch -d [branch name]

Usage: git checkout [branch name]

Usage: git checkout -b [branch name]

Usage: git push [variable name] master

Counting objects: 42, done. Delta compression using up to 2 threads.

Usage: git push -all [variable name]

warning: no common commits

remote: Counting objects: 13, done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 13 (delta 1), reused 10 (delta 1), pack-reused 0

Compressing objects: 100% (32/32), done.
Writing objects: 100% (42/42), 463.10 KiB | 3.62 MiB/s, done.
Total 42 (delta 9), reused 0 (delta 0)

remote: Resolving deltas: 100% (9/9), done. To https://github.com/sahitikappagantula/GitDemo.git

This command pushes all branches to your remote repository.

git checkout

git remote

git push

This command deletes the feature branch.

edureka@master:~/Documents/DEMO\$ git push origin master Username for 'https://github.com': sahitikappagantula Password for 'https://sahitikappagantula@github.com': Counting objects: 42, done. Delta compression using up to 2 threads. Compression using up to 2 threads.

Compressing objects: 100% (32/32), done.

Writing objects: 100% (42/42), 463.10 KiB | 3.62 MiB/s, done.

Total 42 (delta 9), reused 0 (delta 0)

remote: Resolving deltas: 100% (9/9), done.

To https://github.com/sahitikappagantula/GitDemo.git * [new branch] master -> master

This command sends the committed changes of master branch to your remote repository.

edureka@master:~/Documents/DEMO\$ git remote add origin https://github.com/sahitikappagantula/GitDemo.git

edureka@master:~/Documents/DEMO\$ git push --all origin Username for 'https://github.com': sahitikappagantula Password for 'https://sahitikappagantula@github.com': Total 0 (delta 0), reused 0 (delta 0) To https://github.com/sahitikappagantula/GitDemo.git * [new branch] branch_3 -> branch_3 * [new branch] branch_4 -> branch_4 Usage: git push [variable name] :[branch name] This command deletes a branch on your remote repository.

Unpacking objects: 100% (13/13), done. From https://github.com/sahitikappagantula/gitlearn * branch HEAD -> FETCH_HEAD fatal: refusing to merge unrelated histories git stash Usage: git stash save This command temporarily stores all the modified tracked files. edureka@master:~/Documents/DEMO/project_1\$ git stash save Saved working directory and index state WIP on branch_2: 5152fcd Index.html updated Usage: git stash pop

Usage: git stash list This command lists all stashed changesets. edureka@master:~/Documents/DEMO/project_1\$ git stash list stash@{0}: WIP on master: 5f6ba20 Merge branch 'branch_2' Usage: git stash drop This command discards the most recently stashed changeset. edureka@master:~/Documents/DEMO/project_1\$ git stash drop stash@{0}

Dropped stash@{0} (5e2cbcea1b37d4e5b8885496<u>4</u>d6165e461e2309d)

take a top-down approach and start with this DevOps Tutorial.

Start Using Neo4j in Seconds neo4j Start with Sandbox The #1 Database for Connected Data Topics: OPEN SOURCE, GIT, GIT COMMANDS, COMMAND EXAMPLES

Want to learn more about git commands? Here is a Git Tutorial to get you started. Alternatively, you can

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edureka@master:~/Documents/DEMO\$ git add project_1 Usage: git add * This command adds one or more to the staging area. edureka@master:~/Documents/DEMO\$ git add * git commit Usage: git commit -m "[Type in the commit message]" This command records or snapshots the file permanently in the version history. edureka@master:~/Documents/DEMO\$ git commit -m "First Commit" [master (root-commit) aff3269] First Commit 9 files changed, 200 insertions(+) create mode 100644 project_1/css/site.css create mode 100644 project_1/fonts/segoeuil.ttf create mode 100644 project_1/img/cloneWhite.svg create mode 100644 project_1/img/deployWhite.svg create mode 100644 project_1/img/lightbulbWhite.svg create mode 100644 project_1/img/stackWhite.svg create mode 100644 project_1/img/successCloudNew.svg create mode 100644 project_1/img/tweetThis.svg create mode 100644 project_1/index.html Usage: git commit -a This command commits any files you've added with the git add command and also commits any files you've changed since then. edureka@master:~/Documents/DEMO\$ git commit -a On branch master nothing to commit, working tree clean git diff Usage: git diff This command shows the file differences which are not yet staged. edureka@master:~/Documents/DEMO\$ git diff diff --git a/project_1/index.html b/project_1/index.html index 8a985d9..94cfa0f 100644 --- a/project_1/index.html +++ b/project_1/index.html </div> <div class="content-body"> <div class="success-text">Success!</div> <div class="description line-1"> Azure DevOps Project has been successfully setup</div</pre> <div class="description line-2"> Your HTML app is up and running on Azure</div> <div class="next-steps-container"> <div class="next-steps-header">Next up</div> <div class="next-steps-body"> Usage: git diff -staged This command shows the differences between the files in the staging area and the latest version present. edureka@master:~/Documents/DEMO/project_1/css\$ git diff --staged diff --git a/project_1/css/site.css b/project_1/css/site.css
index 25606b6..fba307d 100644 --- a/project_1/css/site.css +++ b/project_1/css/site.css html, /* This the css file for the web page we are using for our DEMO */ body { height: 100%; width: 100%; Usage: git diff [first branch] [second branch] This command shows the differences between the two branches mentioned. reka@master:~/Documents/DEMO/project_1\$ git diff branch_2 branch_3 diff --git a/project_1/index.html b/project_1/index.html Index b567d94..94cfa0f 100644 -- a/project_1/index.html ++ b/project_1/index.html <div class="step-icon"> </dlv> git reset Usage: git reset [file] This command unstages the file, but it preserves the file contents. edureka@master:~/Documents/DEMO/project_1/css\$ git reset site.css Unstaged changes after reset: project_1/css/site.css project_1/index.html Usage: git reset [commit] This command undoes all the commits after the specified commit and preserves the changes locally. edureka@master:~/Documents/DEMO\$ git reset 09bb8e3f996eaf9a68ac5ba8d8b8fceb0e8641e7 Unstaged changes after reset: project_1/css/site.css project 1/index.html Usage: git reset -hard [commit] This command discards all history and goes back to the specified commit. edureka@master:~/Documents/DEMO\$ git reset --hard b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 HEAD is now at b01557d CHanges made in HTML file git status Usage: git status This command lists all the files that have to be committed. edureka@master:~/Documents/DEMO\$ git status On branch master Changes not staged for commit: (use "git add <file>..." to update what will be committed) (use "git checkout -- <file>..." to discard changes in working directory) no changes added to commit (use "git add" and/or "git commit -a") git rm Usage: git rm [file]

Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:25:17 2018 +0530 Changes made in HTML and CSS file commit b01557d80d5f53dcf0ebdde4d3f8b0d20d8b8c16 Author: sahitikappagantula <sahiti.kappagantula@edureka.co> Date: Fri Jul 20 12:13:29 2018 +0530 CHanges made in HTML file

CHanges made in HTML file diff --git a/project_1/index.html b/project_1/index.html index 8a985d9..94cfa0f 100644 --- a/project_1/index.html +++ b/project_1/index.html 00 -20,8 +20,8 00 </div> <div class="content-body"> <div class="success-text">Success!</div>

edureka@master:~/Documents/DEMO\$ git checkout -b branch_4 Switched to a new branch 'branch_4' This command merges the specified branch's history into the current branch. dureka@master:~/Documents/DEMO\$ git merge branch_2 Merge made by the 'recursive' strategy. project_1/index.html | 2 + 1 file changed, 1 insertion(+), 1 deletion(-)

edureka@master:~/Documents/DEMO\$ git checkout branch_2

Usage: git push [variable name] [branch] This command sends the branch commits to your remote repository. edureka@master:~/Documents/DEMO\$ git push origin master Username for 'https://github.com': sahitikappagantula Password for 'https://sahitikappagantula@github.com':

edureka@master:~/Documents/DEMO\$ git push origin : branch_2 Username for 'https://github.com': sahitikappagantula Password for 'https://sahitikappagantula@github.com': Everything up-to-date git pull Usage: git pull [Repository Link] This command fetches and merges changes on the remote server to your working directory. dureka@naster:~/Documents/DEMO\$ git pull https://github.com/sahitikappagantula/gitlearn.git

This command restores the most recently stashed files. edureka@master:~/Documents/DEMO/project_1\$ git stash pop On branch branch_2 Changes not staged for commit: (use "git add <file>..." to update what will be committed)
(use "git checkout -- <file>..." to discard changes in working directory) no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (365fa2ef6ed4f1f8d7d406bd0abb205279aad0c5)

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