



# Git Commands

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## Summary

by

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# Git Commands

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- **Config your username in git**

\$ git config --global user.name "m7md"

- **Config your email in git**

\$ git config --global user.email "ms2951@fayoum.edu.eg"

- **Display your username in git**

\$ git config user.name

- **Display your email in git**

\$ git config user.email

- **Display all configurations**

\$ git config --list

- **Display all git commands and its use**

\$ git

- **Clear your screen**

\$ clear

- **Create new repository**

\$ git init "myNewproject"

- **Listing contents inside a directory**

\$ ls

- **Listing hidden and visible contents inside a directory**

\$ ls -a

- **Change current working directory**

\$ Cd myNewProject

- **Display the state of the repository and staging area**

\$ git status

- **Create file**

\$ touch file.txt

- **Add a change in the working directory to the staging area**

\$ git add file.txt

- **Remove a file from the staging area**

\$ git rm --cached file.txt

- **Save your changes to the local repository**

\$ git commit -m "Create a text file"

\* -m "message" adds a message

# Git Commands

- **View the history of committed changes within a Git repository**

\$ git log

- **To take a step back to a specific commit by its hash**

\$ git checkout [hash of the commit]

- **Display local branches**

\$ git branch

- **Display remote branches**

\$ git branch -r

- **Display all branches**

\$ git branch -a

- **Create a new branch**

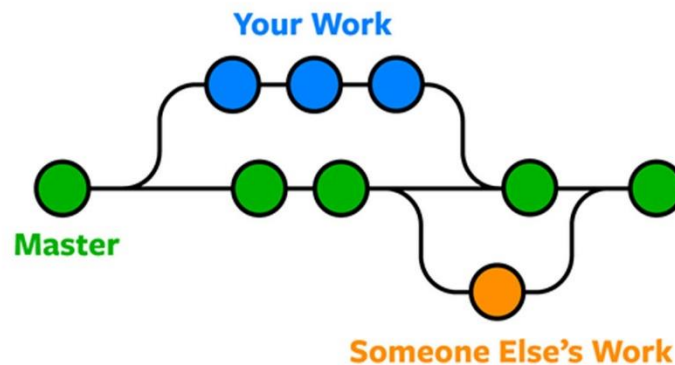
\$ git branch new-branch

- **Switch to a branch in your local repo**

\$ git checkout new-branch

- **Merge another branch into the current branch**

\$ git merge new-branch



- **Show how the remotes mapped to git repository**

\$ git remote

- **Show all the remote connections linked to a git repository with URL**

\$ git remote -v

- **Add a new remote repo to your local repo**

\$ git remote add origin (URL)

- **Push the changes from branch 'master' to remote 'origin'**

\$ git push -u origin master

# Git Commands

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- **Update the local version of a repository from a remote to match that content**

\$ git pull origin master

- **Delete a change in the working directory from the staging area**

\$ git rm source.cpp

- **To exit and close the Git Bash**

\$ exit



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