

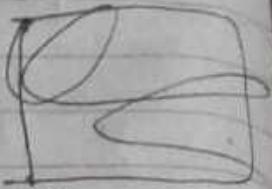
git

- * git add init // for initialis
- * git add filename // for staging specific
- * git add -A // for staging all git file.

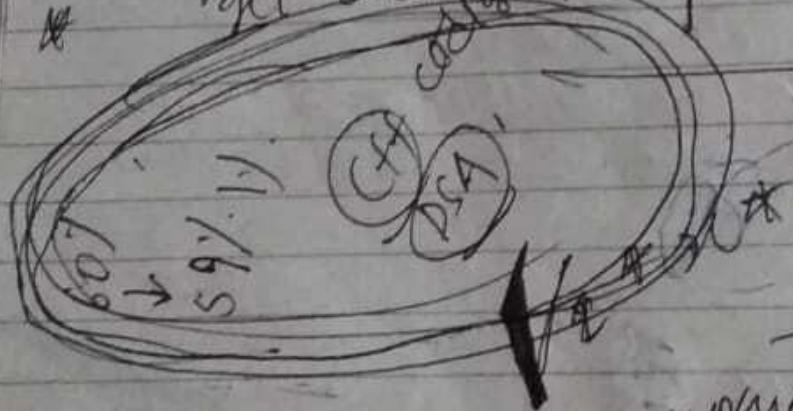
* git status

- * git commit
- or

Type
:wq enter



- git commit -m " " // state → commit
- git commit -a -m " " // unstash → commit
- * git checkout filename // for specific
- * git checkout -f // all restored last saved commit

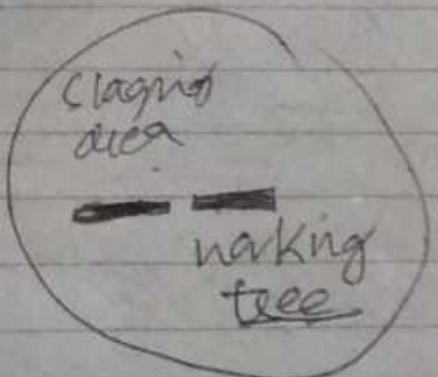


- * git diff // compare working tree staging area

- * git diff --staged // last commit compare with staging area

ROUGH

- * git log // for seeing last all done commit.
- * git log -p // for seeing last (desired no). ~~commit done~~
- * git ls // listing all files.
- * git touch filename (for making new file)
- * git rm --cached filename // for deleting file ~~from staging area to untrack~~
- * git rm filename // for deleting it from git
- * git status
- * git status -s



ROUGH

* touch .gitignore
// for keeping some files undelicated.

- * ↳ ~~git~~* type type files type
- ↳ filename ignore from every where
- ↳ /filename ignore from that exact folder.
- ↳ ignore /foldername for ignoring folder

* switching another branch
get branch branch name

// switching To another branch

get checkout branch name

* git branch // To check branch

ROUGH

on master branch
got merger feature 1 // for integrating to master

* got checkout -b feature 2

A created another branch & switched as well.

** after adding remote

* get & push remote on master

Push/pull & others

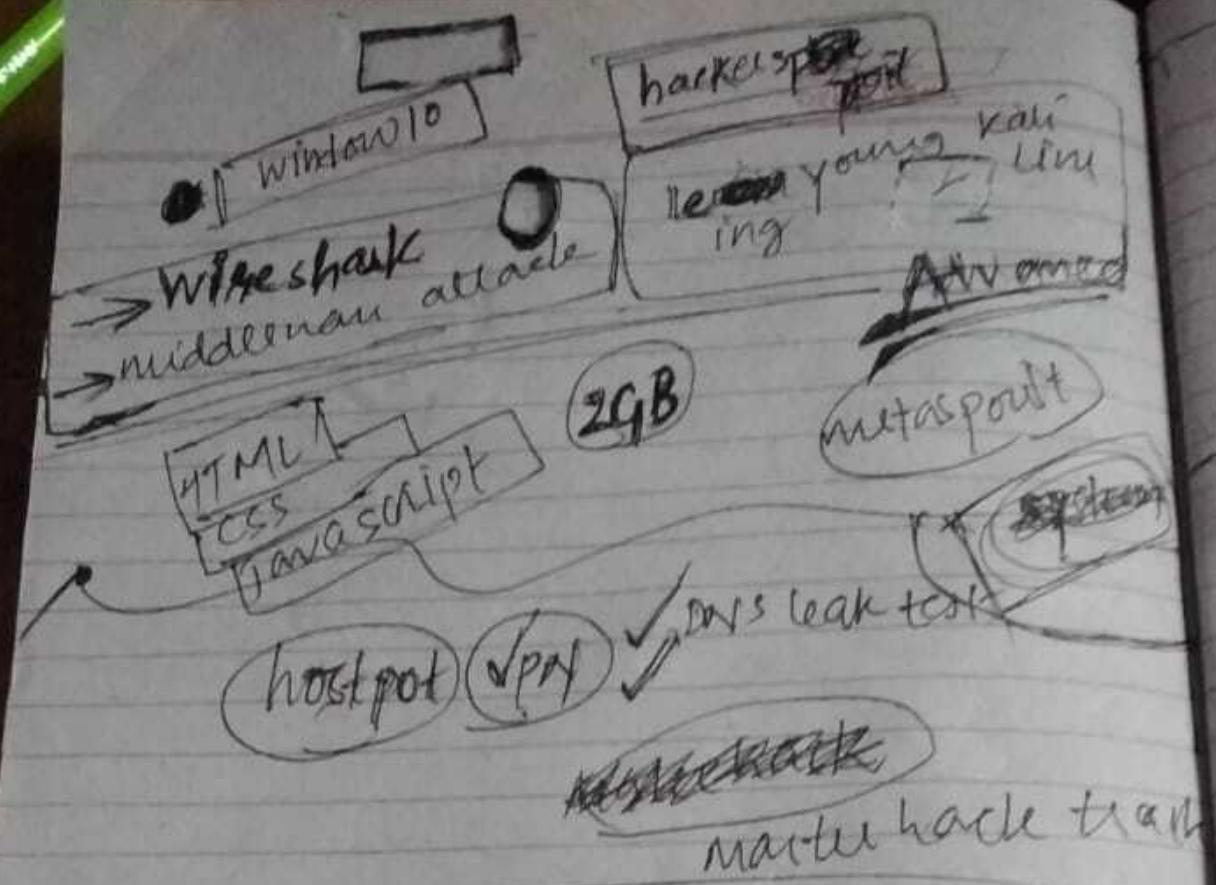
* got done link

* // changing remote link

git remote set-ml origin ^{link}

or

ROUGH



On permission denied problem
I faced.

on if clone & fork & then
changing ~~a~~ a file
(if required)

on src refspace master doesn't make

ROUGH

GitHub

GIT CHEAT SHEET

Git is the free and open source distributed version control system that's responsible for everything GitHub related that happens locally on your computer. This cheat sheet features the most important and commonly used Git commands for easy reference.

INSTALLATION & GUIs

With platform specific installers for Git, GitHub also provides the ease of staying up-to-date with the latest releases of the command line tool while providing a graphical user interface for day-to-day interaction, review, and repository synchronization.

GitHub for Windows

<https://windows.github.com>

GitHub for Mac

<https://mac.github.com>

For Linux and Solaris platforms, the latest release is available on the official Git web site.

Git for All Platforms

<http://git-scm.com>

SETUP

Configuring user information used across all local repositories

git config --global user.name "[firstname lastname]"

set a name that is identifiable for credit when reviewing history

git config --global user.email "[valid-email]"

set an email address that will be associated with each history marker

git config --global color.ui auto

set automatic command line coloring for Git for easy reviewing

SETUP & INIT

Configuring user information, initializing and cloning repositories

git init

initialize an existing directory as a Git repository

git clone [url]

retrieve an entire repository from a hosted location via URL

STAGE & SNAPSHOT

Working with snapshots and the Git staging area

git status

show modified files in working directory, staged for your next commit

git add [file]

add a file as it looks now to your next commit (stage)

git reset [file]

unstage a file while retaining the changes in working directory

git diff

diff of what is changed but not staged

git diff --staged

diff of what is staged but not yet committed

git commit -m "[descriptive message]"

commit your staged content as a new commit snapshot

BRANCH & MERGE

Isolating work in branches, changing context, and integrating changes

git branch

list your branches. a * will appear next to the currently active branch

git branch [branch-name]

create a new branch at the current commit

git checkout

switch to another branch and check it out into your working directory

git merge [branch]

merge the specified branch's history into the current one

git log

show all commits in the current branch's history



INSPECT & COMPARE

Examining logs, diffs and object information

`git log`

show the commit history for the currently active branch

`git log branchB..branchA`

show the commits on branchA that are not on branchB

`git log --follow [file]`

show the commits that changed file, even across renames

`git diff branchB...branchA`

show the diff of what is in branchA that is not in branchB

`git show [SHA]`

show any object in Git in human-readable format

SHARE & UPDATE

Retrieving updates from another repository and updating local repos

`git remote add [alias] [url]`

add a git URL as an alias

`git fetch [alias]`

fetch down all the branches from that Git remote

`git merge [alias]/[branch]`

merge a remote branch into your current branch to bring it up to date

`git push [alias] [branch]`

Transmit local branch commits to the remote repository branch

`git pull`

fetch and merge any commits from the tracking remote branch

TRACKING PATH CHANGES

Versioning file removes and path changes

`git rm [file]`

delete the file from project and stage the removal for commit

`git mv [existing-path] [new-path]`

change an existing file path and stage the move

`git log --stat -M`

show all commit logs with indication of any paths that moved

REWRITE HISTORY

Rewriting branches, updating commits and clearing history

`git rebase [branch]`

apply any commits of current branch ahead of specified one

`git reset --hard [commit]`

clear staging area, rewrite working tree from specified commit

IGNORING PATTERNS

Preventing unintentional staging or committing of files

`logs/ *.notes pattern*/`

Save a file with desired patterns as .gitignore with either direct string matches or wildcard globs.

`git config --global core.excludesfile [file]`

system wide ignore pattern for all local repositories

TEMPORARY COMMITS

Temporarily store modified, tracked files in order to change branches

`git stash`

Save modified and staged changes

`git stash list`

list stack-order of stashed file changes

`git stash pop`

write working from top of stash stack

`git stash drop`

discard the changes from top of stash stack

GitHub Education

Teach and learn better, together. GitHub is free for students and teachers. Discounts available for other educational uses.

✉ education@github.com

☞ education.github.com