usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]

[--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]

[-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]

[--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]

[--super-prefix=<path>] [--config-env=<name>=<envvar>]

<command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)

clone Clone a repository into a new directory

init Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)

add Add file contents to the index

mv Move or rename a file, a directory, or a symlink

restore Restore working tree files

rm Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)

bisect Use binary search to find the commit that introduced a bug

diff Show changes between commits, commit and working tree, etc

grep Print lines matching a pattern

log Show commit logs

show Show various types of objects

status Show the working tree status

grow, mark and tweak your common history

branch List, create, or delete branches

commit Record changes to the repository

merge Join two or more development histories together

rebase Reapply commits on top of another base tip

reset Reset current HEAD to the specified state

switch Switch branches

tag Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)

fetch Download objects and refs from another repository

pull Fetch from and integrate with another repository or a local branch

push Update remote refs along with associated objects

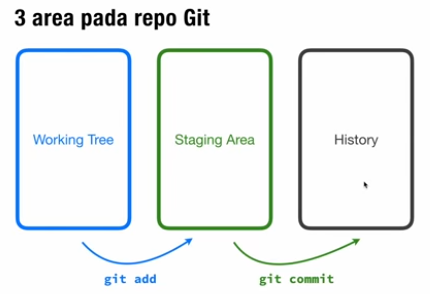
'git help -a' and 'git help -g' list available subcommands and some

concept guides. See 'git help <command>' or 'git help <concept>'

to read about a specific subcommand or concept.

See 'git help git' for an overview of the system.

Git –version versi git



pwd : print working directory

ls : list directory

cd : change directory

clear : clear directory

git init : menjadikan folder sbg repo

$ git init

Initialized empty Git repository in D:/repo-git/.git/

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

Git status

git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

GIT & GITHUB.docx

git.docx

~$git.docx

nothing added to commit but untracked files present (use "git add" to track)

git add git.docx masukkan file ke staging area

git commit

Author identity unknown

\*\*\* Please tell me who you are.

Run

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'User@DESKTOP-0GRTEHQ.(none)')

perlu isi author

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git config --global user.email "husniorbek@gmail.com"

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git config --global user.name "husniokbah"

git commit -m "update manual"

[master (root-commit) 2c9c3fd] update manual

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 git.docx

git add . memindah semua untracked files ke staging area

git log

commit 2c9c3fd6aa69804c3da7ac6a05f3de58ca1969be (HEAD -> master)

Author: husniokbah <husniorbek@gmail.com>

Date: Thu Oct 26 20:09:55 2023 +0700

update manual

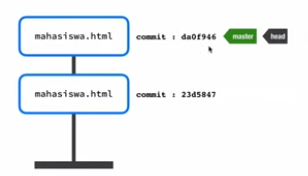
mengembalikan file yg telah dihapus

git checkout 5 digit hash –namafile

git checkout 2c9c3 –git.docx

git commit -am "menambah 1 list"

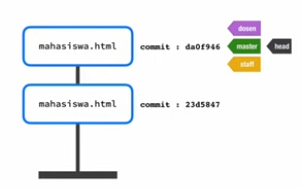
memasukkan ke staging area sekaligus commit



Buat branch

Git branch <nama\_branch>

Buat 2 branch git branch dosen & git branch staf



Git branch menampilkan daftar branch dmn warna hijau sbg current branch

git log --all --decorate --oneline --graph

\* 665ce89 (HEAD -> master, staf, dosen) menambah 1 list

\* 29180b9 menambahkan item list

\* 2c9c3fd update manual

HEAD itu pointer branch, ada 3 branch dan branch aktif adalah master

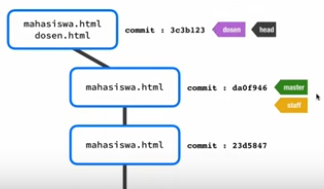
Telah melakukan 3 commit

Buat alias utk mengganti perintah

alias graph="git log --all --decorate --oneline --graph"

pindah ke branch lainnya

git checkout <nama\_branch>





Lalu melakukan merge

Untuk merge

Lihat posisi aktif branch

Git branch

git branch

dosen

master

\* staf

Ternyata di staf

Pindah dulu ke master

git checkout master

git merge dosen

menghapus branch yg udah dihapus

git branch –d dosen

git branch merged : ingin tahu branch mana yg udah di merge

$ git branch

dosen

\* master

merged

staf

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git branch -d merged

Deleted branch merged (was ad50aa0).

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git merge staf

warning: Cannot merge binary files: git.docx (HEAD vs. staf)

Auto-merging git.docx

CONFLICT (content): Merge conflict in git.docx

Automatic merge failed; fix conflicts and then commit the result.

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master|MERGING)

$ git add git.docx

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master|MERGING)

$ git commit -am "update git.docx"

[master 1098f42] update git.docx

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git merge staf

Already up to date.

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git branch -d staf

Deleted branch staf (was 4625cec).

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git branch

dosen

\* master

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git branch -d dosen

Deleted branch dosen (was 187fb30).

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

Kalo kita ingin kembali ke brach dosen padahal suh terhapus

1. Cek dg git log
2. commit 060c72ae1c758f91d7be28ee77c7e44f0d6940c2 (HEAD -> master)
3. Author: husniokbah <husniorbek@gmail.com>
4. Date: Fri Oct 27 09:29:38 2023 +0700
5. simpan coba.html
6. commit 1098f42c421f3abcbd0b3aeeda04d9e004212d3b
7. Merge: ad50aa0 4625cec
8. Author: husniokbah <husniorbek@gmail.com>
9. Date: Fri Oct 27 08:54:34 2023 +0700
10. update git.docx
11. commit ad50aa0e89f0db5711cd48fc015a8327a1fdad67
12. Merge: 6ac3d7c 187fb30
13. Author: husniokbah <husniorbek@gmail.com>
14. Date: Fri Oct 27 08:25:54 2023 +0700
15. update git.docx
16. commit 187fb30601530dbd4c2eebaed04d0ff1e446698f
17. Author: husniokbah <husniorbek@gmail.com>
18. Date: Fri Oct 27 08:20:17 2023 +0700
19. menambah github.html
20. commit 6ac3d7ce8195399d3043c6f544961952c97082de
21. Author: husniokbah <husniorbek@gmail.com>
22. Date: Fri Oct 27 08:18:17 2023 +0700
23. update manual
24. commit 4625cec1485e5dfd8efca22db98c3f2d218faffb
25. Author: husniokbah <husniorbek@gmail.com>
26. Date: Fri Oct 27 08:09:53 2023 +0700
27. menambah git.html
28. commit 09b83f35e8348ff745784a6823d50c98d28e03c9
29. Author: husniokbah <husniorbek@gmail.com>
30. Date: Fri Oct 27 08:06:42 2023 +0700
31. menambah github.html
32. commit 665ce89741c5933e21653485c96936ffa880e7d5
33. Author: husniokbah <husniorbek@gmail.com>
34. Date: Fri Oct 27 07:42:25 2023 +0700
35. menambah 1 list
36. commit 29180b99e1e06de7149bd1a3a8b4a4ba6dbca63b
37. Author: husniokbah <husniorbek@gmail.com>
38. Date: Fri Oct 27 07:39:36 2023 +0700
39. menambahkan item list
40. commit 2c9c3fd6aa69804c3da7ac6a05f3de58ca1969be
41. Author: husniokbah <husniorbek@gmail.com>
42. Date: Thu Oct 26 20:09:55 2023 +0700
43. update manual

kembali ke posisi sebelumnya dg git checkout 7digit hash

git checkout 29180b9

**SUMMARY** **OF** **LESS** **COMMANDS**

Commands marked with \* may be preceded by a number, N.

Notes in parentheses indicate the behavior if N is given.

A key preceded by a caret indicates the Ctrl key; thus ^K is ctrl-K.

h H Display this help.

q :q Q :Q ZZ Exit.

---------------------------------------------------------------------------

**MOVING**

e ^E j ^N CR \* Forward one line (or N lines).

y ^Y k ^K ^P \* Backward one line (or N lines).

f ^F ^V SPACE \* Forward one window (or N lines).

b ^B ESC-v \* Backward one window (or N lines).

z \* Forward one window (and set window to N).

w \* Backward one window (and set window to N).

ESC-SPACE \* Forward one window, but don't stop at end-of-file.

d ^D \* Forward one half-window (and set half-window to N).

u ^U \* Backward one half-window (and set half-window to N).

ESC-) RightArrow \* Right one half screen width (or N positions).

/usr/bin/bash: -c: line 1: syntax error near unexpected token `newline'

/usr/bin/bash: -c: line 1: `lessecho -p0x22 -d0x22 -e\\ -n0x3b -n0x20 -n0x2a -n0x3f -n0x9 -n0xa -n0x27 -n0x22 -n0x28 -n0x29 -n0x3c -n0x3e -n0x5b -n0x5d -n0x7c -n0x26 -n0x5e -n0x60 -n0x23 -n0x5c -n0x24 -n0x25 -n0x3d -n0x7e -n0x7b -n0x7d -n0x2c -- niokbah <husniorbek@gmail.com>'

ESC-( LeftArrow \* Left one half screen width (or N positions).

ESC-} ^RightArrow Right to last column displayed.

ESC-{ ^LeftArrow Left to first column.

F Forward forever; like "tail -f".

ESC-F Like F but stop when search pattern is found.

r ^R ^L Repaint screen.

R Repaint screen, discarding buffered input.

---------------------------------------------------

Default "window" is the screen height.

Default "half-window" is half of the screen height.

---------------------------------------------------------------------------

**SEARCHING**

/pattern \* Search forward for (N-th) matching line.

?pattern \* Search backward for (N-th) matching line.

n \* Repeat previous search (for N-th occurrence).

N \* Repeat previous search in reverse direction.

ESC-n \* Repeat previous search, spanning files.

ESC-N \* Repeat previous search, reverse dir. & spanning files.

ESC-u Undo (toggle) search highlighting.

ESC-U Clear search highlighting.

&pattern \* Display only matching lines.

---------------------------------------------------

A search pattern may begin with one or more of:

^N or ! Search for NON-matching lines.

^E or \* Search multiple files (pass thru END OF FILE).

^F or @ Start search at FIRST file (for /) or last file (for ?).

^K Highlight matches, but don't move (KEEP position).

^R Don't use REGULAR EXPRESSIONS.

^W WRAP search if no match found.

---------------------------------------------------------------------------

**JUMPING**

g < ESC-< \* Go to first line in file (or line N).

G > ESC-> \* Go to last line in file (or line N).

p % \* Go to beginning of file (or N percent into file).

t \* Go to the (N-th) next tag.

T \* Go to the (N-th) previous tag.

{ ( [ \* Find close bracket } ) ].

} ) ] \* Find open bracket { ( [.

ESC-^F <c1> <c2> \* Find close bracket <c2>.

ESC-^B <c1> <c2> \* Find open bracket <c1>.

---------------------------------------------------

Each "find close bracket" command goes forward to the close bracket

matching the (N-th) open bracket in the top line.

...skipping...

A search pattern may begin with one or more of:

^N or ! Search for NON-matching lines.

^E or \* Search multiple files (pass thru END OF FILE).

^F or @ Start search at FIRST file (for /) or last file (for ?).

^K Highlight matches, but don't move (KEEP position).

^R Don't use REGULAR EXPRESSIONS.

^W WRAP search if no match found.

---------------------------------------------------------------------------

**CHANGING** **FILES**

:e [file] Examine a new file.

^X^V Same as :e.

:n \* Examine the (N-th) next file from the command line.

:p \* Examine the (N-th) previous file from the command line.

:x \* Examine the first (or N-th) file from the command line.

...skipping...

**MISCELLANEOUS** **COMMANDS**

-<flag> Toggle a command line option [see OPTIONS below].

--<name> Toggle a command line option, by name.

\_<flag> Display the setting of a command line option.

\_\_<name> Display the setting of an option, by name.

+cmd Execute the less cmd each time a new file is examined.

!command Execute the shell command with $SHELL.

|**X**command Pipe file between current pos & mark **X** to shell command.

s file Save input to a file.

v Edit the current file with $VISUAL or $EDITOR.

V Print version number of "less".

---------------------------------------------------------------------------

**OPTIONS**

Most options may be changed either on the command line,

or from within less by using the - or -- command.

Options may be given in one of two forms: either a single

character preceded by a -, or a name preceded by --.

-? ........ --help

Display help (from command line).

-a ........ --search-skip-screen

Search skips current screen.

-A ........ --SEARCH-SKIP-SCREEN

Search starts just after target line.

-b [N] .... --buffers=[N]

Number of buffers.

-B ........ --auto-buffers

...skipping...

-z [N] .... --window=[N]

Set size of window.

-" [c[c]] . --quotes=[c[c]]

Set shell quote characters.

-~ ........ --tilde

Don't display tildes after end of file.

-# [N] .... --shift=[N]

Set horizontal scroll amount (0 = one half screen width).

--file-size

Automatically determine the size of the input file.

--follow-name

The F command changes files if the input file is renamed.

--header=[N[,M]]

Use N lines and M columns to display file headers.

--incsearch

Search file as each pattern character is typed in.

--line-num-width=N

Set the width of the -N line number field to N characters.

--mouse

Enable mouse input.

--no-keypad

Don't send termcap keypad init/deinit strings.

--no-histdups

Remove duplicates from command history.

--no-number-headers

Don't give line numbers to header lines.

--redraw-on-quit

Redraw final screen when quitting.

--rscroll=C

Set the character used to mark truncated lines.

--save-marks

Retain marks across invocations of less.

--search-options=[EFKNRW-]

Set default options for every search.

--status-col-width=N

Set the width of the -J status column to N characters.

--status-line

Highlight or color the entire line containing a mark.

--use-backslash

Subsequent options use backslash as escape char.

--use-color

Enables colored text.

--wheel-lines=N

Each click of the mouse wheel moves N lines.

Remove duplicates from command history.

--no-number-headers

Don't give line numbers to header lines.

--redraw-on-quit

Redraw final screen when quitting.

--rscroll=C

Set the character used to mark truncated lines.

--save-marks

Retain marks across invocations of less.

--search-options=[EFKNRW-]

Set default options for every search.

--status-col-width=N

Set the width of the -J status column to N characters.

--status-line

Highlight or color the entire line containing a mark.

--use-backslash

Subsequent options use backslash as escape char.

--use-color

Enables colored text.

--wheel-lines=N

Each click of the mouse wheel moves N lines.

Each click of the mouse wheel moves N lines.

---------------------------------------------------------------------------

**LINE** **EDITING**

These keys can be used to edit text being entered

on the "command line" at the bottom of the screen.

RightArrow ..................... ESC-l ... Move cursor right one character.

LeftArrow ...................... ESC-h ... Move cursor left one character.

ctrl-RightArrow ESC-RightArrow ESC-w ... Move cursor right one word.

ctrl-LeftArrow ESC-LeftArrow ESC-b ... Move cursor left one word.

HOME ........................... ESC-0 ... Move cursor to start of line.

END ............................ ESC-$ ... Move cursor to end of line.

BACKSPACE ................................ Delete char to left of cursor.

DELETE ......................... ESC-x ... Delete char under cursor.

ctrl-BACKSPACE ESC-BACKSPACE ........... Delete word to left of cursor.

ctrl-DELETE .... ESC-DELETE .... ESC-X ... Delete word under cursor.

ctrl-U ......... ESC (MS-DOS only) ....... Delete entire line.

UpArrow ........................ ESC-k ... Retrieve previous command line.

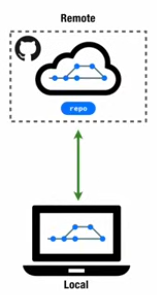
DownArrow ...................... ESC-j ... Retrieve next command line.

TAB ...................................... Complete filename & cycle.

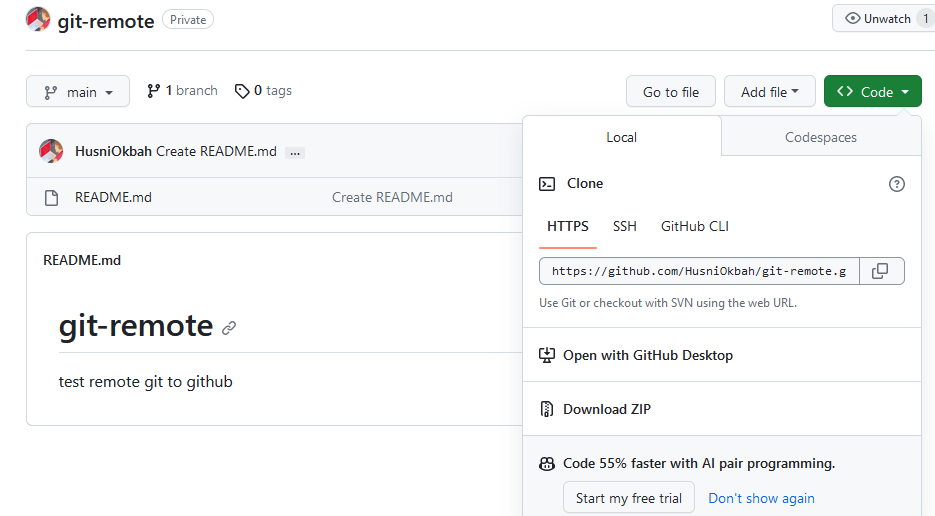
SHIFT-TAB ...................... ESC-TAB Complete filename & reverse cycle.

...skipping...

---------------------------------------------------------------------------



Cara melakukan clone dari repository github di git



Masuk ke git bash utk menghubungkan scr remote dg github

git clone <https://github.com/HusniOkbah/git-remote.git>

Cloning into 'git-remote'...

remote: Enumerating objects: 3, done.

remote: Counting objects: 100% (3/3), done.

remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

Receiving objects: 100% (3/3), done.

Di local

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ ls

'GIT & GITHUB.docx' git.docx index.html

coba.html git.html 'niokbah <husniorbek@gmail.com>'

git-remote/ github.html '~$git.docx'

pindah ke remote

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ cd git-remote

Nama remote

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

$ git remote

Origin

Detail remote

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

$ git remote -v

origin https://github.com/HusniOkbah/git-remote.git (fetch)

origin https://github.com/HusniOkbah/git-remote.git (push)

git status

On branch main

Your branch is up to date with 'origin/main'.

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

nothing added to commit but untracked files present (use "git add" to track)

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

Ada yg untracked

Perlu ke staging area

$ git add .

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

Lalu commit index.html

$ git commit -m "menambah index.html"

[main c772818] menambah index.html

1 file changed, 11 insertions(+)

create mode 100644 index.html

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

lalu kirim ke remote

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git/git-remote (main)

$ git push

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 4 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 427 bytes | 213.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/HusniOkbah/git-remote.git

94f9b77..c772818 main -> main

git config --list

diff.astextplain.textconv=astextplain

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

http.sslbackend=openssl

http.sslcainfo=D:/Git/mingw64/ssl/certs/ca-bundle.crt

core.autocrlf=true

core.fscache=true

core.symlinks=false

core.editor=nano.exe

pull.rebase=false

credential.helper=manager-core

credential.https://dev.azure.com.usehttppath=true

init.defaultbranch=master

user.email=husniorbek@gmail.com

user.name=husniokbah

core.repositoryformatversion=0

core.filemode=false

core.bare=false

core.logallrefupdates=true

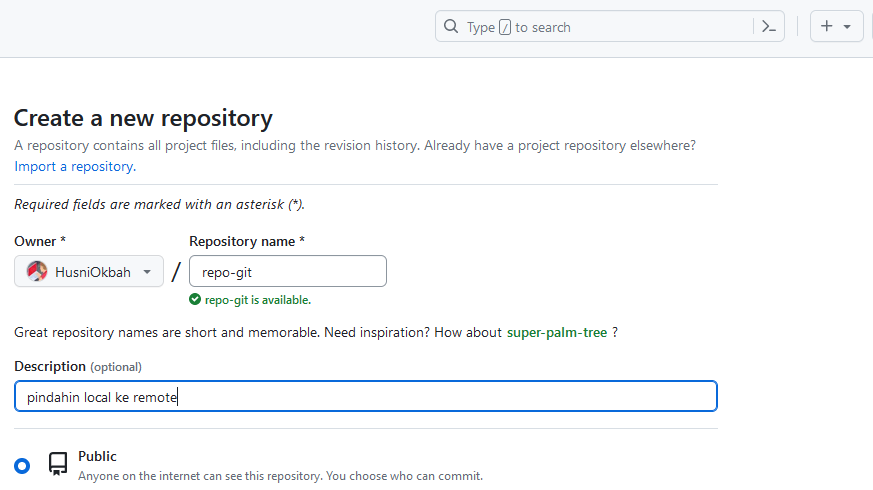
core.symlinks=false

core.ignorecase=true

cd .. change directory

cara mindahin repo di local ke github

buat repo di github



**…or push an existing repository from the command line**

git remote add origin https://github.com/HusniOkbah/repo-git.git

git branch -M main

git push -u origin main

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git remote add origin https://github.com/HusniOkbah/repo-git.git

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git remote

origin

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git remote -v

origin https://github.com/HusniOkbah/repo-git.git (fetch)

origin https://github.com/HusniOkbah/repo-git.git (push)

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (master)

$ git branch -M main

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (main)

$ git push -u origin main

Enumerating objects: 30, done.

Counting objects: 100% (30/30), done.

Delta compression using up to 4 threads

Compressing objects: 100% (29/29), done.

Writing objects: 100% (30/30), 439.28 KiB | 7.99 MiB/s, done.

Total 30 (delta 16), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (16/16), done.

To https://github.com/HusniOkbah/repo-git.git

\* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

Saat melakukan perubahan di local

$ git status

On branch main

Your branch is up to date with 'origin/main'.

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: coba.html

new file: git-remote

modified: git.docx

new file: "niokbah \357\200\274husniorbek@gmail.com\357\200\276"

new file: ~$git.docx

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: coba.html

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (main)

$ git add .

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (main)

$ git commit -m "mengubah title coba.html"

[main 41f1061] mengubah title coba.html

5 files changed, 282 insertions(+)

create mode 100644 coba.html

create mode 160000 git-remote

create mode 100644 "niokbah \357\200\274husniorbek@gmail.com\357\200\276"

create mode 100644 ~$git.docx

User@DESKTOP-0GRTEHQ MINGW64 /d/repo-git (main)

$ git push

Enumerating objects: 8, done.

Counting objects: 100% (8/8), done.

Delta compression using up to 4 threads

Compressing objects: 100% (6/6), done.

Writing objects: 100% (6/6), 25.46 KiB | 3.18 MiB/s, done.

Total 6 (delta 1), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/HusniOkbah/repo-git.git

060c72a..41f1061 main -> main

Saat di local berubah

Saat di github ada org lain yg mengubah file yg sama

Cek commit yg sdh dilakukan di remote

Git fetch

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (3/3), done.

remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0

Unpacking objects: 100% (3/3), 696 bytes | 1024 bytes/s, done.

From https://github.com/HusniOkbah/repo-git

41f1061..ac7d069 main -> origin/main

git status

On branch main

Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.

(use "git pull" to update your local branch)

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: git.docx

modified: index.html

no changes added to commit (use "git add" and/or "git commit -a")

$ graph

\* ac7d069 (origin/main) Update index.html

\* 41f1061 (HEAD -> main) mengubah title coba.html

\* 060c72a simpan coba.html

\* 1098f42 update git.docx

|\

| \* 4625cec menambah git.html

\* | ad50aa0 update git.docx

|\ \

| \* | 187fb30 menambah github.html

| \* | 09b83f3 menambah github.html

| |/

\* / 6ac3d7c update manual

|/

\* 665ce89 menambah 1 list

\* 29180b9 menambahkan item list

\* 2c9c3fd update manual

Maka ambil dulu dari remote

Git pull