**Homework Day1** [#HW\_Day1](#HWDay1)

Please practice the following commands. You can either work with a new repo, or one that you are currently working on.

1. initialize a new repo [git init](#git_init)

2. clone a new or existing repo [git clone](#git_clone)

3. see status of files in repo [git status](#git_status)

4. add files to be staged [git add](#git_add)

5. see changes between files [git diff](#git_diff)

6. remove files [git rm](#git_rm)

7. move files git mv

**Homework Day2** [#HW\_Day2](#HWDay2)

Please practice the following commands. Attempt to move around your commits (forwards and backwards).

1. see history of commits [git log](#git_log)

2. changing a commit [--amend](#git_commit_amend)

3. unstage a file [git reset](#git_reset)

4. revert to original file and to previous commit [git checkout](#git_checkout)

5. add remote repo [git remote](#git_remote)6. fetch new changes from remote repo [git fetch / git pull](#git_fetch)7. push changes to remote repo [git push](#git_push)8. create new branch [git branch](#git_branch)9. change working branch [git checkout](#git_checkout)10. merge branches [git merge](#git_merge)

Also practicing pushing and pulling to remote branches.

Last login: Wed Feb 15 13:31:29 on ttys000

You have new mail.

The default interactive shell is now zsh.

To update your account to use zsh, please run `chsh -s /bin/zsh`.

For more details, please visit https://support.apple.com/kb/HT208050.

(base) aps-mbp:~ apichatphoti-a$ git --version

git version 2.37.1 (Apple Git-137.1)

(base) aps-mbp:~ apichatphoti-a$ brew install git

-bash: brew: command not found

(base) aps-mbp:~ apichatphoti-a$ git config

usage: git config [<options>]

Config file location

--global use global config file

--system use system config file

--local use repository config file

--worktree use per-worktree config file

-f, --file <file> use given config file

--blob <blob-id> read config from given blob object

Action

--get get value: name [value-pattern]

--get-all get all values: key [value-pattern]

--get-regexp get values for regexp: name-regex [value-pattern]

--get-urlmatch get value specific for the URL: section[.var] URL

--replace-all replace all matching variables: name value [value-pattern]

--add add a new variable: name value

--unset remove a variable: name [value-pattern]

--unset-all remove all matches: name [value-pattern]

--rename-section rename section: old-name new-name

--remove-section remove a section: name

-l, --list list all

--fixed-value use string equality when comparing values to 'value-pattern'

-e, --edit open an editor

--get-color find the color configured: slot [default]

--get-colorbool find the color setting: slot [stdout-is-tty]

Type

-t, --type <type> value is given this type

--bool value is "true" or "false"

--int value is decimal number

--bool-or-int value is --bool or --int

--bool-or-str value is --bool or string

--path value is a path (file or directory name)

--expiry-date value is an expiry date

Other

-z, --null terminate values with NUL byte

--name-only show variable names only

--includes respect include directives on lookup

--show-origin show origin of config (file, standard input, blob, command line)

--show-scope show scope of config (worktree, local, global, system, command)

--default <value> with --get, use default value when missing entry

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:~ apichatphoti-a$ git config --list

credential.helper=osxkeychain

init.defaultbranch=main

user.name=ApichatPhoti-A

user.email=Apichat.photia@gmail.com

core.editor=vim

merge.tool=vimdiff

core.repositoryformatversion=0

core.filemode=true

core.bare=false

core.logallrefupdates=true

core.ignorecase=true

core.precomposeunicode=true

(base) aps-mbp:~ apichatphoti-a$ git config --global user.name "Apichat Photi-A"

(base) aps-mbp:~ apichatphoti-a$ git config --global user.email "Apichat.photia@gmail.com"

(base) aps-mbp:~ apichatphoti-a$ git config --global core.editor emacs

(base) aps-mbp:~ apichatphoti-a$ git config --list

credential.helper=osxkeychain

init.defaultbranch=main

user.name=Apichat Photi-A

user.email=Apichat.photia@gmail.com

core.editor=emacs

merge.tool=vimdiff

core.repositoryformatversion=0

core.filemode=true

core.bare=false

core.logallrefupdates=true

core.ignorecase=true

core.precomposeunicode=true

(base) aps-mbp:~ apichatphoti-a$ git config --global core.editor vim

(base) aps-mbp:~ apichatphoti-a$ git config --list

credential.helper=osxkeychain

init.defaultbranch=main

user.name=Apichat Photi-A

user.email=Apichat.photia@gmail.com

core.editor=vim

merge.tool=vimdiff

core.repositoryformatversion=0

core.filemode=true

core.bare=false

core.logallrefupdates=true

core.ignorecase=true

core.precomposeunicode=true

(base) aps-mbp:~ apichatphoti-a$ git config --global merge.tool vimdiff

(base) aps-mbp:~ apichatphoti-a$ git config --list

credential.helper=osxkeychain

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user.name=Apichat Photi-A

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core.logallrefupdates=true

core.ignorecase=true

core.precomposeunicode=true

(base) aps-mbp:~ apichatphoti-a$ git config user.name

Apichat Photi-A

(base) aps-mbp:~ apichatphoti-a$ git config user.email

Apichat.photia@gmail.com

(base) aps-mbp:~ apichatphoti-a$ git help confid

No manual entry for gitconfid

(base) aps-mbp:~ apichatphoti-a$ git help config

[1]+ Stopped git help config

(base) aps-mbp:~ apichatphoti-a$ git help config

[2]+ Stopped git help config

(base) aps-mbp:~ apichatphoti-a$ git init [#HW\_Day1](#HWDay1)

Reinitialized existing Git repository in /Users/apichatphoti-a/.git/

(base) aps-mbp:~ apichatphoti-a$ git init -b main [#HW\_Day1](#HWDay1)

warning: re-init: ignored --initial-branch=main

Reinitialized existing Git repository in /Users/apichatphoti-a/.git/

(base) aps-mbp:~ apichatphoti-a$ git clone https://github.com/AumApichat/git-repo.git [#HW\_Day1](#HWDay1)

fatal: destination path 'git-repo' already exists and is not an empty directory.

(base) aps-mbp:~ apichatphoti-a$ git status [#HW\_Day1](#HWDay1)

warning: could not open directory '.Trash/AP (Deleted)/Library/VoiceTrigger/SAT/': Operation not permitted

On branch main

No commits yet

Untracked files:

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

.CFUserTextEncoding

.DS\_Store

.RData

.Rapp.history

.Rhistory

.adobe/

.anaconda/

.android/

.bash\_history

.bash\_profile

.bash\_profile.macports-saved\_2023-02-09\_at\_18:39:33

.bash\_profile.pysave

.bash\_sessions/

.condarc

.config/

.cups/

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.dropbox/

.fontconfig/

.gitconfig

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Sites/

Untitled.txt

am\_41077@yahoo.com Creative Cloud Files/

dr.apichat.photia@gmail.com Creative Cloud Files/

git-repo/

igv/

opt/

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

(base) aps-mbp:~ apichatphoti-a$ touch README.md

(base) aps-mbp:~ apichatphoti-a$ git status

warning: could not open directory '.Trash/AP (Deleted)/Library/VoiceTrigger/SAT/': Operation not permitted

On branch main

No commits yet

Untracked files:

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

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dr.apichat.photia@gmail.com Creative Cloud Files/

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

(base) aps-mbp:~ apichatphoti-a$ git add README.md

(base) aps-mbp:~ apichatphoti-a$ git status

warning: could not open directory '.Trash/AP (Deleted)/Library/VoiceTrigger/SAT/': Operation not permitted

On branch main

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: README.md

Untracked files:

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

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dr.apichat.photia@gmail.com Creative Cloud Files/

git-repo/

igv/

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(base) aps-mbp:~ apichatphoti-a$ git add Untitle.txt

fatal: pathspec 'Untitle.txt' did not match any files

(base) aps-mbp:~ apichatphoti-a$ git add Untitled.txt

(base) aps-mbp:~ apichatphoti-a$ git status

warning: could not open directory '.Trash/AP (Deleted)/Library/VoiceTrigger/SAT/': Operation not permitted

On branch main

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: README.md

new file: Untitled.txt

Untracked files:

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

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(base) aps-mbp:~ apichatphoti-a$ git diff [#HW\_Day1](#HWDay1)

(base) aps-mbp:~ apichatphoti-a$ diff --git a/README.md b/README.md

diff: unrecognized option `--git'

usage: diff [-aBbdilpTtw] [-c | -e | -f | -n | -q | -u] [--ignore-case]

[--no-ignore-case] [--normal] [--strip-trailing-cr] [--tabsize]

[-I pattern] [-F pattern] [-L label] file1 file2

diff [-aBbdilpTtw] [-I pattern] [-L label] [--ignore-case]

[--no-ignore-case] [--normal] [--strip-trailing-cr] [--tabsize]

[-F pattern] -C number file1 file2

diff [-aBbdiltw] [-I pattern] [--ignore-case] [--no-ignore-case]

[--normal] [--strip-trailing-cr] [--tabsize] -D string file1 file2

diff [-aBbdilpTtw] [-I pattern] [-L label] [--ignore-case]

[--no-ignore-case] [--normal] [--tabsize] [--strip-trailing-cr]

[-F pattern] -U number file1 file2

diff [-aBbdilNPprsTtw] [-c | -e | -f | -n | -q | -u] [--ignore-case]

[--no-ignore-case] [--normal] [--tabsize] [-I pattern] [-L label]

[-F pattern] [-S name] [-X file] [-x pattern] dir1 dir2

diff [-aBbditwW] [--expand-tabs] [--ignore-all-blanks]

[--ignore-blank-lines] [--ignore-case] [--minimal]

[--no-ignore-file-name-case] [--strip-trailing-cr]

[--suppress-common-lines] [--tabsize] [--text] [--width]

-y | --side-by-side file1 file2

diff [--help] [--version]

(base) aps-mbp:~ apichatphoti-a$ git diff --staged

diff --git a/README.md b/README.md

new file mode 100644

index 0000000..e69de29

diff --git a/Untitled.txt b/Untitled.txt

new file mode 100644

index 0000000..7c9ddfe

Binary files /dev/null and b/Untitled.txt differ

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:~ apichatphoti-a$ git commit -m "adding a message here"

[main (root-commit) 9b37e8b] adding a message here

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 README.md

create mode 100644 Untitled.txt

(base) aps-mbp:~ apichatphoti-a$ git status -v

warning: could not open directory '.Trash/AP (Deleted)/Library/VoiceTrigger/SAT/': Operation not permitted

On branch main

Untracked files:

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

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am\_41077@yahoo.com Creative Cloud Files/

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git-repo/

igv/

opt/

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

(base) aps-mbp:~ apichatphoti-a$ git commit -m

error: switch `m' requires a value

(base) aps-mbp:~ apichatphoti-a$ cd git-repo

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git commit -A

error: unknown switch `A'

usage: git commit [<options>] [--] <pathspec>...

-q, --quiet suppress summary after successful commit

-v, --verbose show diff in commit message template

Commit message options

-F, --file <file> read message from file

--author <author> override author for commit

--date <date> override date for commit

-m, --message <message>

commit message

-c, --reedit-message <commit>

reuse and edit message from specified commit

-C, --reuse-message <commit>

reuse message from specified commit

--fixup [(amend|reword):]commit

use autosquash formatted message to fixup or amend/reword specified commit

--squash <commit> use autosquash formatted message to squash specified commit

--reset-author the commit is authored by me now (used with -C/-c/--amend)

--trailer <trailer> add custom trailer(s)

-s, --signoff add a Signed-off-by trailer

-t, --template <file>

use specified template file

-e, --edit force edit of commit

--cleanup <mode> how to strip spaces and #comments from message

--status include status in commit message template

-S, --gpg-sign[=<key-id>]

GPG sign commit

Commit contents options

-a, --all commit all changed files

-i, --include add specified files to index for commit

--interactive interactively add files

-p, --patch interactively add changes

-o, --only commit only specified files

-n, --no-verify bypass pre-commit and commit-msg hooks

--dry-run show what would be committed

--short show status concisely

--branch show branch information

--ahead-behind compute full ahead/behind values

--porcelain machine-readable output

--long show status in long format (default)

-z, --null terminate entries with NUL

--amend amend previous commit

--no-post-rewrite bypass post-rewrite hook

-u, --untracked-files[=<mode>]

show untracked files, optional modes: all, normal, no. (Default: all)

--pathspec-from-file <file>

read pathspec from file

--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

(base) aps-mbp:git-repo apichatphoti-a$ git commit -a

hint: Waiting for your editor to close the file...

[3]+ Stopped git commit -a

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git add -a

error: unknown switch `a'

usage: git add [<options>] [--] <pathspec>...

-n, --dry-run dry run

-v, --verbose be verbose

-i, --interactive interactive picking

-p, --patch select hunks interactively

-e, --edit edit current diff and apply

-f, --force allow adding otherwise ignored files

-u, --update update tracked files

--renormalize renormalize EOL of tracked files (implies -u)

-N, --intent-to-add record only the fact that the path will be added later

-A, --all add changes from all tracked and untracked files

--ignore-removal ignore paths removed in the working tree (same as --no-all)

--refresh don't add, only refresh the index

--ignore-errors just skip files which cannot be added because of errors

--ignore-missing check if - even missing - files are ignored in dry run

--sparse allow updating entries outside of the sparse-checkout cone

--chmod (+|-)x override the executable bit of the listed files

--pathspec-from-file <file>

read pathspec from file

--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ git statis

git: 'statis' is not a git command. See 'git --help'.

The most similar command is

status

(base) aps-mbp:git-repo apichatphoti-a$

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git restore test.sh

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ git commit -a

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ git statis

git: 'statis' is not a git command. See 'git --help'.

The most similar command is

status

(base) aps-mbp:git-repo apichatphoti-a$

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git commit -a -m "skip staging add message"

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ rm -f .git/index/lock

rm: .git/index/lock: Not a directory

(base) aps-mbp:git-repo apichatphoti-a$ rm .git/index/lock

rm: .git/index/lock: Not a directory

(base) aps-mbp:git-repo apichatphoti-a$ rm .git/commit\_Editmsg

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git remote set-url [#HW\_Day2](#HWDay2)

usage: git remote set-url [--push] <name> <newurl> [<oldurl>]

or: git remote set-url --add <name> <newurl>

or: git remote set-url --delete <name> <url>

--push manipulate push URLs

--add add URL

--delete delete URLs

(base) aps-mbp:git-repo apichatphoti-a$ git remote set-url origin

usage: git remote set-url [--push] <name> <newurl> [<oldurl>]

or: git remote set-url --add <name> <newurl>

or: git remote set-url --delete <name> <url>

--push manipulate push URLs

--add add URL

--delete delete URLs

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git clone https://github.com/AumApichat/git-repo.git

Cloning into 'git-repo'...

remote: Enumerating objects: 8, done.

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

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

remote: Total 8 (delta 1), reused 0 (delta 0), pack-reused 0

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

Resolving deltas: 100% (1/1), done.

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git clone https://github.com/AumApichat/git-repo.git

fatal: destination path 'git-repo' already exists and is not an empty directory.

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

git-repo/

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

git-repo/

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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: test.sh

Untracked files:

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

git-repo/

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apicaht.photia@gmail.com\".pub"

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\""

"ssh-keygen -t -ed25519 -c \"apichat.photia@gmail.com\".pub"

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

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

fatal: 'origin' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

(base) aps-mbp:git-repo apichatphoti-a$ git pull

There is no tracking information for the current branch.

Please specify which branch you want to merge with.

See git-pull(1) for details.

git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

git branch --set-upstream-to=<remote>/<branch> main

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing [#HW\_Day2](#HWDay2)

fatal: Unable to create '/Users/apichatphoti-a/git-repo/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.

an editor opened by 'git commit'. Please make sure all processes

are terminated then try again. If it still fails, a git process

may have crashed in this repository earlier:

remove the file manually to continue.

(base) aps-mbp:git-repo apichatphoti-a$ rm -f .git/index/lock

rm: .git/index/lock: Not a directory

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md

dsi-workshop

git-repo

ssh-keygen -t -ed25519 -c "apicaht.photia@gmail.com"

ssh-keygen -t -ed25519 -c "apicaht.photia@gmail.com".pub

ssh-keygen -t -ed25519 -c "apichat.photia@gmail.com"

ssh-keygen -t -ed25519 -c "apichat.photia@gmail.com".pub

test.sh

test01.sh

text.txt

(base) aps-mbp:git-repo apichatphoti-a$ cd git-repo

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

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

\* branch main -> FETCH\_HEAD

Already up to date.

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin

(base) aps-mbp:git-repo apichatphoti-a$ git checkout

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

(base) aps-mbp:git-repo apichatphoti-a$ git reset HEAD README.md [#HW\_Day2](#HWDay2)

(base) aps-mbp:git-repo apichatphoti-a$ git checkout master

error: pathspec 'master' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git commit -m "commit to hotfix"

On branch main

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

nothing to commit, working tree clean

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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

nothing to commit, working tree clean

(base) aps-mbp:git-repo apichatphoti-a$ git merge hotfix [#HW\_Day2](#HWDay2)

merge: hotfix - not something we can merge

(base) aps-mbp:git-repo apichatphoti-a$ git checkout branch

error: pathspec 'branch' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

Already on 'main'

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

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin

(base) aps-mbp:git-repo apichatphoti-a$ touch test.sh

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin test.sh

(base) aps-mbp:git-repo apichatphoti-a$ touch testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md test.sh

origin testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ 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)

test.sh

testing-branch.txt

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

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

(base) aps-mbp:git-repo apichatphoti-a$ 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: test.sh

new file: testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

A test.sh

A testing-branch.txt

Already on 'main'

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

(base) aps-mbp:git-repo apichatphoti-a$ git branch [#HW\_Day2](#HWDay2)

\* main

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

error: pathspec 'testing' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git branch [#HW\_Day2](#HWDay2)

\* main

(base) aps-mbp:git-repo apichatphoti-a$ ls\

>

README.md test.sh

origin testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing-branch

error: pathspec 'testing-branch' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing-branch.txt

Updated 0 paths from the index

(base) aps-mbp:git-repo apichatphoti-a$ git branch [#HW\_Day2](#HWDay2)

\* main

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

A test.sh

A testing-branch.txt

Already on 'main'

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

(base) aps-mbp:git-repo apichatphoti-a$ cat test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

error: pathspec 'testing' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git fetch [#HW\_Day2](#HWDay2)

(base) aps-mbp:git-repo apichatphoti-a$ 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: test.sh

new file: testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

error: pathspec 'testing' did not match any file(s) known to git

(base) aps-mbp:git-repo apichatphoti-a$ git branch testing

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

A test.sh

A testing-branch.txt

Switched to branch 'testing'

(base) aps-mbp:git-repo apichatphoti-a$ git branch

main

\* testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch ABC

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b testing

fatal: a branch named 'testing' already exists

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b ABC

fatal: a branch named 'ABC' already exists

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b Apple

Switched to a new branch 'Apple'

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md test.sh

origin testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

\* Apple

main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

A test.sh

A testing-branch.txt

Switched to branch 'main'

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

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

Apple

\* main

testing

(base) aps-mbp:git-repo apichatphoti-a$ cat >> apple.txt

New line

^Z

[4]+ Stopped cat >> apple.txt

(base) aps-mbp:git-repo apichatphoti-a$ 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: test.sh

new file: testing-branch.txt

Untracked files:

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

apple.txt

(base) aps-mbp:git-repo apichatphoti-a$ git add apple.txt

(base) aps-mbp:git-repo apichatphoti-a$ 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: apple.txt

new file: test.sh

new file: testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git commit -m "apple changes commit"

[main 6d96650] apple changes commit

3 files changed, 1 insertion(+)

create mode 100644 apple.txt

create mode 100644 test.sh

create mode 100644 testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git commit -A

error: unknown switch `A'

usage: git commit [<options>] [--] <pathspec>...

-q, --quiet suppress summary after successful commit

-v, --verbose show diff in commit message template

Commit message options

-F, --file <file> read message from file

--author <author> override author for commit

--date <date> override date for commit

-m, --message <message>

commit message

-c, --reedit-message <commit>

reuse and edit message from specified commit

-C, --reuse-message <commit>

reuse message from specified commit

--fixup [(amend|reword):]commit

use autosquash formatted message to fixup or amend/reword specified commit

--squash <commit> use autosquash formatted message to squash specified commit

--reset-author the commit is authored by me now (used with -C/-c/--amend)

--trailer <trailer> add custom trailer(s)

-s, --signoff add a Signed-off-by trailer

-t, --template <file>

use specified template file

-e, --edit force edit of commit

--cleanup <mode> how to strip spaces and #comments from message

--status include status in commit message template

-S, --gpg-sign[=<key-id>]

GPG sign commit

Commit contents options

-a, --all commit all changed files

-i, --include add specified files to index for commit

--interactive interactively add files

-p, --patch interactively add changes

-o, --only commit only specified files

-n, --no-verify bypass pre-commit and commit-msg hooks

--dry-run show what would be committed

--short show status concisely

--branch show branch information

--ahead-behind compute full ahead/behind values

--porcelain machine-readable output

--long show status in long format (default)

-z, --null terminate entries with NUL

--amend amend previous commit

--no-post-rewrite bypass post-rewrite hook

-u, --untracked-files[=<mode>]

show untracked files, optional modes: all, normal, no. (Default: all)

--pathspec-from-file <file>

read pathspec from file

--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

(base) aps-mbp:git-repo apichatphoti-a$ git commit -m "new line to testing-branch.txt"

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

(base) aps-mbp:git-repo apichatphoti-a$ 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

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

(base) aps-mbp:git-repo apichatphoti-a$ 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

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

Already on 'main'

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

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

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

Apple

\* main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git merge testing

Already up to date.

(base) aps-mbp:git-repo apichatphoti-a$ git branch --no-merged

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

Apple

\* main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git checkout Apple

Switched to branch 'Apple'

(base) aps-mbp:git-repo apichatphoti-a$ git branch --no-merged

main

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

\* Apple

main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch --merged

ABC

\* Apple

testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch main

fatal: a branch named 'main' already exists

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

\* Apple

main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch --no-merged

main

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

\* Apple

main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch help

(base) aps-mbp:git-repo apichatphoti-a$ help

GNU bash, version 3.2.57(1)-release (x86\_64-apple-darwin22)

These shell commands are defined internally. Type `help' to see this list.

Type `help name' to find out more about the function `name'.

Use `info bash' to find out more about the shell in general.

Use `man -k' or `info' to find out more about commands not in this list.

A star (\*) next to a name means that the command is disabled.

JOB\_SPEC [&] (( expression ))

. filename [arguments] :

[ arg... ] [[ expression ]]

alias [-p] [name[=value] ... ] bg [job\_spec ...]

bind [-lpvsPVS] [-m keymap] [-f fi break [n]

builtin [shell-builtin [arg ...]] caller [EXPR]

case WORD in [PATTERN [| PATTERN]. cd [-L|-P] [dir]

command [-pVv] command [arg ...] compgen [-abcdefgjksuv] [-o option

complete [-abcdefgjksuv] [-pr] [-o continue [n]

declare [-afFirtx] [-p] [name[=val dirs [-clpv] [+N] [-N]

disown [-h] [-ar] [jobspec ...] echo [-neE] [arg ...]

enable [-pnds] [-a] [-f filename] eval [arg ...]

exec [-cl] [-a name] file [redirec exit [n]

export [-nf] [name[=value] ...] or false

fc [-e ename] [-nlr] [first] [last fg [job\_spec]

for NAME [in WORDS ... ;] do COMMA for (( exp1; exp2; exp3 )); do COM

function NAME { COMMANDS ; } or NA getopts optstring name [arg]

hash [-lr] [-p pathname] [-dt] [na help [-s] [pattern ...]

history [-c] [-d offset] [n] or hi if COMMANDS; then COMMANDS; [ elif

jobs [-lnprs] [jobspec ...] or job kill [-s sigspec | -n signum | -si

let arg [arg ...] local name[=value] ...

logout popd [+N | -N] [-n]

printf [-v var] format [arguments] pushd [dir | +N | -N] [-n]

pwd [-LP] read [-ers] [-u fd] [-t timeout] [

readonly [-af] [name[=value] ...] return [n]

select NAME [in WORDS ... ;] do CO set [--abefhkmnptuvxBCHP] [-o opti

shift [n] shopt [-pqsu] [-o long-option] opt

source filename [arguments] suspend [-f]

test [expr] time [-p] PIPELINE

times trap [-lp] [arg signal\_spec ...]

true type [-afptP] name [name ...]

typeset [-afFirtx] [-p] name[=valu ulimit [-SHacdfilmnpqstuvx] [limit

umask [-p] [-S] [mode] unalias [-a] name [name ...]

unset [-f] [-v] [name ...] until COMMANDS; do COMMANDS; done

variables - Some variable names an wait [n]

while COMMANDS; do COMMANDS; done { COMMANDS ; }

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

Switched to branch 'main'

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

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

(base) aps-mbp:git-repo apichatphoti-a$ git branch

ABC

Apple

help

\* main

testing

(base) aps-mbp:git-repo apichatphoti-a$ git merge testing

Already up to date.

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testing-branch.txt

apple.txt test.sh

(base) aps-mbp:git-repo apichatphoti-a$ 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

(base) aps-mbp:git-repo apichatphoti-a$ cat test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

Switched to branch 'testing'

(base) aps-mbp:git-repo apichatphoti-a$ cat test.sh

cat: test.sh: No such file or directory

(base) aps-mbp:git-repo apichatphoti-a$ cat test.sh

# This is the comment in test.sh

# This is a second comment

slight change

added fourth line to test.sh

<<<<<<<< Head

# a comment added to main line

========

# a third comment for explaination

>>>>>>>> testing

(base) aps-mbp:git-repo apichatphoti-a$ git branch --merged

ABC

Apple

help

\* testing

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

error: The following untracked working tree files would be overwritten by checkout:

test.sh

Please move or remove them before you switch branches.

Aborting

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

error: The following untracked working tree files would be overwritten by checkout:

test.sh

Please move or remove them before you switch branches.

Aborting

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

(base) aps-mbp:git-repo apichatphoti-a$ git sttus

git: 'sttus' is not a git command. See 'git --help'.

The most similar command is

status

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch testing

Changes to be committed:

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

new file: test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

error: Your local changes to the following files would be overwritten by checkout:

test.sh

Please commit your changes or stash them before you switch branches.

Aborting

(base) aps-mbp:git-repo apichatphoti-a$ git commit

hint: Waiting for your editor to close the file...

[5]+ Stopped git commit

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch testing

Changes to be committed:

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

new file: test.sh

(base) aps-mbp:git-repo apichatphoti-a$ cat >> apple.txt

I like apple

(base) aps-mbp:git-repo apichatphoti-a$ git add -A

(base) aps-mbp:git-repo apichatphoti-a$ GIT COMMIT -m "add dislike for apples in apple.txt"

fatal: cannot handle COMMIT as a builtin

(base) aps-mbp:git-repo apichatphoti-a$ git commit -m "add dislike for apples in apple.txt"

[testing 3d325c6] add dislike for apples in apple.txt

2 files changed, 11 insertions(+)

create mode 100644 apple.txt

create mode 100644 test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

Switched to branch 'main'

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

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

(base) aps-mbp:git-repo apichatphoti-a$ git push

Username for 'https://github.com': apichat.photia@gmail.com

Password for 'https://apichat.photia@gmail.com@github.com':

remote: Support for password authentication was removed on August 13, 2021.

remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.

fatal: Authentication failed for 'https://github.com/AumApichat/git-repo.git/'

(base) aps-mbp:git-repo apichatphoti-a$ git push origin main [#HW\_Day2](#HWDay2)

Username for 'https://github.com': apichat.photia@gmail.com

Password for 'https://apichat.photia@gmail.com@github.com':

remote: Support for password authentication was removed on August 13, 2021.

remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.

fatal: Authentication failed for 'https://github.com/AumApichat/git-repo.git/'

(base) aps-mbp:git-repo apichatphoti-a$ git push origin main

Username for 'https://github.com': Apichat Photi-A

Password for 'https://Apichat Photi-A@github.com':

remote: Support for password authentication was removed on August 13, 2021.

remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.

fatal: Authentication failed for 'https://github.com/AumApichat/git-repo.git/'

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing

Switched to branch 'testing'

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b third-branch

Switched to a new branch 'third-branch'

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b third-branch origin/third-branch

fatal: 'origin/third-branch' is not a commit and a branch 'third-branch' cannot be created from it

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b third-branch origin/third-branch

fatal: 'origin/third-branch' is not a commit and a branch 'third-branch' cannot be created from it

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b third-branch

fatal: a branch named 'third-branch' already exists

(base) aps-mbp:git-repo apichatphoti-a$ git branch -v -a

ABC 8372199 Create origin

Apple 8372199 Create origin

help 8372199 Create origin

main 6d96650 [ahead 1] apple changes commit

testing 3d325c6 add dislike for apples in apple.txt

\* third-branch 3d325c6 add dislike for apples in apple.txt

remotes/origin/HEAD -> origin/main

remotes/origin/main 8372199 Create origin

(base) aps-mbp:git-repo apichatphoti-a$ git checkout -b third-branch origin/third-branch

fatal: 'origin/third-branch' is not a commit and a branch 'third-branch' cannot be created from it

(base) aps-mbp:git-repo apichatphoti-a$ git branch -d Apple

Deleted branch Apple (was 8372199).

(base) aps-mbp:git-repo apichatphoti-a$ git branch -d help

Deleted branch help (was 8372199).

(base) aps-mbp:git-repo apichatphoti-a$ git branch -d ABC

Deleted branch ABC (was 8372199).

(base) aps-mbp:git-repo apichatphoti-a$ git branch

main

testing

\* third-branch

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch third-branch

nothing to commit, working tree clean

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ git checkout main

Switched to branch 'main'

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

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

(base) aps-mbp:git-repo apichatphoti-a$ 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

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testing-branch.txt

apple.txt test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git diff

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ diff --git

diff: unrecognized option `--git'

usage: diff [-aBbdilpTtw] [-c | -e | -f | -n | -q | -u] [--ignore-case]

[--no-ignore-case] [--normal] [--strip-trailing-cr] [--tabsize]

[-I pattern] [-F pattern] [-L label] file1 file2

diff [-aBbdilpTtw] [-I pattern] [-L label] [--ignore-case]

[--no-ignore-case] [--normal] [--strip-trailing-cr] [--tabsize]

[-F pattern] -C number file1 file2

diff [-aBbdiltw] [-I pattern] [--ignore-case] [--no-ignore-case]

[--normal] [--strip-trailing-cr] [--tabsize] -D string file1 file2

diff [-aBbdilpTtw] [-I pattern] [-L label] [--ignore-case]

[--no-ignore-case] [--normal] [--tabsize] [--strip-trailing-cr]

[-F pattern] -U number file1 file2

diff [-aBbdilNPprsTtw] [-c | -e | -f | -n | -q | -u] [--ignore-case]

[--no-ignore-case] [--normal] [--tabsize] [-I pattern] [-L label]

[-F pattern] [-S name] [-X file] [-x pattern] dir1 dir2

diff [-aBbditwW] [--expand-tabs] [--ignore-all-blanks]

[--ignore-blank-lines] [--ignore-case] [--minimal]

[--no-ignore-file-name-case] [--strip-trailing-cr]

[--suppress-common-lines] [--tabsize] [--text] [--width]

-y | --side-by-side file1 file2

diff [--help] [--version]

(base) aps-mbp:git-repo apichatphoti-a$ git commit

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

(base) aps-mbp:git-repo apichatphoti-a$ git commit -a -m "skip staging add message"

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

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testing-branch.txt

apple.txt test.sh

(base) aps-mbp:git-repo apichatphoti-a$ touch test\_AB.sh

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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

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

Untracked files:

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

test\_AB.sh

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

(base) aps-mbp:git-repo apichatphoti-a$ rm test\_AB.sh

(base) aps-mbp:git-repo apichatphoti-a$ 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

(base) aps-mbp:git-repo apichatphoti-a$ touch test\_AB.sh

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ git add test\_AB.sh

(base) aps-mbp:git-repo apichatphoti-a$ git rm test\_AB.sh [#HW\_Day1](#HWDay1)

error: the following file has changes staged in the index:

test\_AB.sh

(use --cached to keep the file, or -f to force removal)

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin test\_AB.sh

apple.txt test.sh testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ rm test\_AB.sh

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testing-branch.txt

apple.txt test.sh

(base) aps-mbp:git-repo apichatphoti-a$ git rm test\_AB.sh [#HW\_Day1](#HWDay1)

rm 'test\_AB.sh'

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testing-branch.txt

apple.txt test.sh

(base) aps-mbp:git-repo apichatphoti-a$ touch testfile

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testfile

apple.txt test.sh testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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

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

Untracked files:

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

testfile

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

(base) aps-mbp:git-repo apichatphoti-a$ git add testfile

(base) aps-mbp:git-repo apichatphoti-a$ ls

README.md origin testfile

apple.txt test.sh testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git status

On branch main

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

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

Changes to be committed:

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

new file: testfile

(base) aps-mbp:git-repo apichatphoti-a$ git rm -f testfile

rm 'testfile'

(base) aps-mbp:git-repo apichatphoti-a$ git rm --cached testfile

fatal: pathspec 'testfile' did not match any files

(base) aps-mbp:git-repo apichatphoti-a$ git rm -f \\*.txt

rm 'apple.txt'

rm 'testing-branch.txt'

(base) aps-mbp:git-repo apichatphoti-a$ git commit -m "initial commit"

[main 6986ca1] initial commit

2 files changed, 1 deletion(-)

delete mode 100644 apple.txt

delete mode 100644 testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git add missed file

fatal: pathspec 'missed' did not match any files

(base) aps-mbp:git-repo apichatphoti-a$ git commit --amend -m "initial commit with missed\_file [#HW\_Day2](#HWDay2)

> git commit --amend -m "initial commit with missed\_file"

> -bash: unexpected EOF while looking for matching `"'

-bash: syntax error: unexpected end of file

(base) aps-mbp:git-repo apichatphoti-a$ git commit --amend -m "initial commit with missed\_file

git commit --amend -m "initial commit with missed\_file"

> -bash: unexpected EOF while looking for matching `"'

-bash: syntax error: unexpected end of file

(base) aps-mbp:git-repo apichatphoti-a$ git commit --amend -m "initial commit with missed\_file"

[main 724c04b] initial commit with missed\_file

Date: Sat Feb 18 11:15:34 2023 -0500

2 files changed, 1 deletion(-)

delete mode 100644 apple.txt

delete mode 100644 testing-branch.txt

(base) aps-mbp:git-repo apichatphoti-a$ git remote -v

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

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

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ ls -al ~/.ssh

total 32

drwx------ 6 apichatphoti-a staff 192 11 Feb 11:48 .

drwxr-xr-x+ 69 apichatphoti-a staff 2208 18 Feb 09:53 ..

-rw------- 1 apichatphoti-a staff 419 11 Feb 11:31 id\_ed25519

-rw-r--r-- 1 apichatphoti-a staff 53 11 Feb 11:52 id\_ed25519.pub

-rw------- 1 apichatphoti-a staff 656 11 Feb 11:48 known\_hosts

-rw-r--r-- 1 apichatphoti-a staff 92 11 Feb 11:48 known\_hosts.old

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ ssh-keygen -t ed25519 -C "apichat.photia@gmail.com"

Generating public/private ed25519 key pair.

Enter file in which to save the key (/Users/apichatphoti-a/.ssh/id\_ed25519):

/Users/apichatphoti-a/.ssh/id\_ed25519 already exists.

Overwrite (y/n)? y

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /Users/apichatphoti-a/.ssh/id\_ed25519

Your public key has been saved in /Users/apichatphoti-a/.ssh/id\_ed25519.pub

The key fingerprint is:

SHA256:mUXm6Ol6Dp/eXM5Cf7aEYTStOW7fyop+qfdRukqzqfU apichat.photia@gmail.com

The key's randomart image is:

+--[ED25519 256]--+

| o |

| = . |

| . o o . |

| . = . + |

| S \* .|

| . .o + o |

| . .. .O.+ |

| +.+.O=Oo+ |

| .+=.B\*B\*Eo.|

+----[SHA256]-----+

(base) aps-mbp:git-repo apichatphoti-a$ ls -al ~/.ssh

total 32

drwx------ 6 apichatphoti-a staff 192 11 Feb 11:48 .

drwxr-xr-x+ 69 apichatphoti-a staff 2208 18 Feb 09:53 ..

-rw------- 1 apichatphoti-a staff 419 18 Feb 12:56 id\_ed25519

-rw-r--r-- 1 apichatphoti-a staff 106 18 Feb 12:56 id\_ed25519.pub

-rw------- 1 apichatphoti-a staff 656 11 Feb 11:48 known\_hosts

-rw-r--r-- 1 apichatphoti-a staff 92 11 Feb 11:48 known\_hosts.old

(base) aps-mbp:git-repo apichatphoti-a$ cat ~/.ssh/id\_ed25519.pub

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAINuRA8b9mkfQ+geIhO64dvcy/l97IEGab+EVDeRyx+dS apichat.photia@gmail.com

(base) aps-mbp:git-repo apichatphoti-a$ ssh -T git@github.com

Hi AumApichat! You've successfully authenticated, but GitHub does not provide shell access.

(base) aps-mbp:git-repo apichatphoti-a$ git remote add origin https://github.com/AumApichat/git-repo.git

error: remote origin already exists.

(base) aps-mbp:git-repo apichatphoti-a$ git remote -v

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

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

(base) aps-mbp:git-repo apichatphoti-a$ git remote show origin

\* remote origin

Fetch URL: https://github.com/AumApichat/git-repo.git

Push URL: https://github.com/AumApichat/git-repo.git

HEAD branch: main

Remote branches:

main tracked

testing new (next fetch will store in remotes/origin)

Local branch configured for 'git pull':

main merges with remote main

Local refs configured for 'git push':

main pushes to main (fast-forwardable)

testing pushes to testing (fast-forwardable)

(base) aps-mbp:git-repo apichatphoti-a$ git fetch origin

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

\* [new branch] testing -> origin/testing

(base) aps-mbp:git-repo apichatphoti-a$ git pull

Already up to date.

(base) aps-mbp:git-repo apichatphoti-a$ git pull origin main

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

\* branch main -> FETCH\_HEAD

Already up to date.

(base) aps-mbp:git-repo apichatphoti-a$ git branch testing

fatal: a branch named 'testing' already exists

(base) aps-mbp:git-repo apichatphoti-a$ git branch testing1

(base) aps-mbp:git-repo apichatphoti-a$ git checkout testing1

Switched to branch 'testing1'

(base) aps-mbp:git-repo apichatphoti-a$ git branch

main

testing

\* testing1

third-branch

You have new mail in /var/mail/apichatphoti-a

(base) aps-mbp:git-repo apichatphoti-a$ git branch ขอ

(base) aps-mbp:git-repo apichatphoti-a$ git branch -v

main 724c04b [ahead 2] initial commit with missed\_file

testing 3d325c6 add dislike for apples in apple.txt

\* testing1 724c04b initial commit with missed\_file

third-branch 3d325c6 add dislike for apples in apple.txt

ขอ 724c04b initial commit with missed\_file

(base) aps-mbp:git-repo apichatphoti-a$ git branch --merged

main

\* testing1

ขอ

(base) aps-mbp:git-repo apichatphoti-a$ git branch -d ขอ

Deleted branch ขอ (was 724c04b).

(base) aps-mbp:git-repo apichatphoti-a$ git branch --no-merged

testing

third-branch

(base) aps-mbp:git-repo apichatphoti-a$ git log [#HW\_Day2](#HWDay2)

commit 724c04b25aced4b6932a54e526fd551468a31ec9 (HEAD -> testing1, main)

Author: Apichat Photi-A <Apichat.photia@gmail.com>

Date: Sat Feb 18 11:15:34 2023 -0500

initial commit with missed\_file

commit 6d96650ea00102f2d4742b8aa9e649556b52f3ae

Author: Apichat Photi-A <Apichat.photia@gmail.com>

Date: Thu Feb 16 18:56:16 2023 -0500

apple changes commit

commit 8372199ed67425eb7e72743125c771ec5c997702 (origin/testing, origin/main, origin/HEAD)

Author: Apichat Photi-A <106484334+AumApichat@users.noreply.github.com>

Date: Thu Feb 16 18:25:00 2023 -0500

Create origin

commit 3eae8eb208bee110ff85920ffa314bdd5a54590c

Author: Apichat Photi-A <106484334+AumApichat@users.noreply.github.com>

Date: Sat Feb 11 11:58:15 2023 -0500

: