Last login: Thu Sep 5 19:32:06 on ttys012

ritwik@HUESC git testing % git init

Initialized empty Git repository in /Users/ritwik/Documents/Fall 2024/CSCI 6672 - Android/git testing/.git/

ritwik@HUESC git testing % git add README.md

fatal: pathspec 'README.md' did not match any files

ritwik@HUESC git testing % git commit -m "Initial commit"

On branch main

Initial commit

nothing to commit (create/copy files and use "git add" to track)

ritwik@HUESC git testing % git branch -M main

ritwik@HUESC git testing % git remove add origin https://github.com/prep0ster0us/mergeTest.git

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

The most similar command is

remote

ritwik@HUESC git testing % git remote add origin https://github.com/prep0ster0us/mergeTest.git

ritwik@HUESC git testing % git push 0u origin main

error: src refspec origin does not match any

error: src refspec main does not match any

error: failed to push some refs to '0u'

ritwik@HUESC git testing % git push -u origin main

error: src refspec main does not match any

error: failed to push some refs to 'https://github.com/prep0ster0us/mergeTest.git'

ritwik@HUESC git testing % git status

On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

ritwik@HUESC git testing % nano test.txt

ritwik@HUESC git testing % git add test.txt

ritwik@HUESC git testing % git stauts

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

The most similar command is

status

ritwik@HUESC git testing % git status

On branch main

No commits yet

Changes to be committed:

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

new file: test.txt

ritwik@HUESC git testing % git commit -m "Initial commit"

[main (root-commit) 2a2f579] Initial commit

1 file changed, 1 insertion(+)

create mode 100644 test.txt

ritwik@HUESC git testing % git push -u origin main

Enumerating objects: 3, done.

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

Writing objects: 100% (3/3), 236 bytes | 236.00 KiB/s, done.

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

To https://github.com/prep0ster0us/mergeTest.git

\* [new branch] main -> main

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

ritwik@HUESC git testing % git checkout -b DevA

Switched to a new branch 'DevA'

ritwik@HUESC git testing % git commit -am "commit by user1 on branch DevA"

On branch DevA

nothing to commit, working tree clean

ritwik@HUESC git testing % nano devA\_work.txt

ritwik@HUESC git testing % git add devA\_work.txt

ritwik@HUESC git testing % git commit -am "commit by user1 on branch DevA"

[DevA c47d15e] commit by user1 on branch DevA

1 file changed, 1 insertion(+)

create mode 100644 devA\_work.txt

ritwik@HUESC git testing % git checkout -b DevB origin

fatal: 'origin' is not a commit and a branch 'DevB' cannot be created from it

ritwik@HUESC git testing % git checkout -b DevB main

Switched to a new branch 'DevB'

ritwik@HUESC git testing % nano devB\_work.txt

ritwik@HUESC git testing % git add devB\_work.txt

ritwik@HUESC git testing % git commit -am "commit by user2 on branch DevB"

[DevB 47a5e3e] commit by user2 on branch DevB

1 file changed, 1 insertion(+)

create mode 100644 devB\_work.txt

ritwik@HUESC git testing % git checkout main

Switched to branch 'main'

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

ritwik@HUESC git testing % git commit -am "commit on main branch"

On branch main

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

nothing to commit, working tree clean

ritwik@HUESC git testing % git merge DevA DevB

Fast-forwarding to: DevA

Trying simple merge with DevB

Merge made by the 'octopus' strategy.

devA\_work.txt | 1 +

devB\_work.txt | 1 +

2 files changed, 2 insertions(+)

create mode 100644 devA\_work.txt

create mode 100644 devB\_work.txt

ritwik@HUESC git testing % git branch

DevA

DevB

\* main

ritwik@HUESC git testing % git status

On branch main

Your branch is ahead of 'origin/main' by 3 commits.

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

nothing to commit, working tree clean

ritwik@HUESC git testing % git push -u origin main

Enumerating objects: 9, done.

Counting objects: 100% (9/9), done.

Delta compression using up to 8 threads

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

Writing objects: 100% (8/8), 911 bytes | 911.00 KiB/s, done.

Total 8 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/prep0ster0us/mergeTest.git

2a2f579..909ea84 main -> main

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

ritwik@HUESC git testing % git branch

DevA

DevB

\* main

ritwik@HUESC git testing % git branch -r

origin/main

ritwik@HUESC git testing % git branch -r -v

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git checkout -b DevA

fatal: a branch named 'DevA' already exists

ritwik@HUESC git testing % git checkout DevA

Switched to branch 'DevA'

ritwik@HUESC git testing % git branch -r -v

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch

\* DevA

DevB

main

ritwik@HUESC git testing % git push -u develop DevA

fatal: 'develop' 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.

ritwik@HUESC git testing % git branch -r -v

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -r

origin/main

ritwik@HUESC git testing % git push -u origin DevA:develop

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

remote:

remote: Create a pull request for 'develop' on GitHub by visiting:

remote: https://github.com/prep0ster0us/mergeTest/pull/new/develop

remote:

To https://github.com/prep0ster0us/mergeTest.git

\* [new branch] DevA -> develop

branch 'DevA' set up to track 'origin/develop'.

ritwik@HUESC git testing % git checkout DevB

Switched to branch 'DevB'

ritwik@HUESC git testing % git push -u origin DevB:design

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

remote:

remote: Create a pull request for 'design' on GitHub by visiting:

remote: https://github.com/prep0ster0us/mergeTest/pull/new/design

remote:

To https://github.com/prep0ster0us/mergeTest.git

\* [new branch] DevB -> design

branch 'DevB' set up to track 'origin/design'.

ritwik@HUESC git testing % git branch -r

origin/design

origin/develop

origin/main

ritwik@HUESC git testing % git branch -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

\* DevB 47a5e3e [origin/design] commit by user2 on branch DevB

main 909ea84 [origin/main] merge work of Dev and DevB

ritwik@HUESC git testing % git pull origin origin/main user1

fatal: couldn't find remote ref origin/main

ritwik@HUESC git testing % git branch -r

origin/design

origin/develop

origin/main

ritwik@HUESC git testing % git pull origin user1

fatal: couldn't find remote ref user1

ritwik@HUESC git testing % git branch user1

ritwik@HUESC git testing % git branch -r -v

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git brach -vv

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

The most similar command is

branch

ritwik@HUESC git testing % git branch -v

DevA c47d15e commit by user1 on branch DevA

\* DevB 47a5e3e commit by user2 on branch DevB

main 909ea84 merge work of Dev and DevB

user1 47a5e3e commit by user2 on branch DevB

ritwik@HUESC git testing % git checkout user1

Switched to branch 'user1'

ritwik@HUESC git testing % git branch -v

DevA c47d15e commit by user1 on branch DevA

DevB 47a5e3e commit by user2 on branch DevB

main 909ea84 merge work of Dev and DevB

\* user1 47a5e3e commit by user2 on branch DevB

ritwik@HUESC git testing % git pull origin user1

fatal: couldn't find remote ref user1

ritwik@HUESC git testing % git pull origin develop

From https://github.com/prep0ster0us/mergeTest

\* branch develop -> FETCH\_HEAD

hint: You have divergent branches and need to specify how to reconcile them.

hint: You can do so by running one of the following commands sometime before

hint: your next pull:

hint:

hint: git config pull.rebase false # merge

hint: git config pull.rebase true # rebase

hint: git config pull.ff only # fast-forward only

hint:

hint: You can replace "git config" with "git config --global" to set a default

hint: preference for all repositories. You can also pass --rebase, --no-rebase,

hint: or --ff-only on the command line to override the configured default per

hint: invocation.

fatal: Need to specify how to reconcile divergent branches.

ritwik@HUESC git testing % git branch -r -v

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -v

DevA c47d15e commit by user1 on branch DevA

DevB 47a5e3e commit by user2 on branch DevB

main 909ea84 merge work of Dev and DevB

\* user1 47a5e3e commit by user2 on branch DevB

ritwik@HUESC git testing % git fetch

ritwik@HUESC git testing % git status

On branch user1

nothing to commit, working tree clean

ritwik@HUESC git testing % git ls-files

devB\_work.txt

test.txt

ritwik@HUESC git testing % git branch -v

DevA c47d15e commit by user1 on branch DevA

DevB 47a5e3e commit by user2 on branch DevB

main 909ea84 merge work of Dev and DevB

\* user1 47a5e3e commit by user2 on branch DevB

ritwik@HUESC git testing % git branch -r -v

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -r -vv

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -u origin/design

branch 'user1' set up to track 'origin/design'.

ritwik@HUESC git testing % git branch -r -vv

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -r

origin/design

origin/develop

origin/main

ritwik@HUESC git testing % git branch -v -a

DevA c47d15e commit by user1 on branch DevA

DevB 47a5e3e commit by user2 on branch DevB

main 909ea84 merge work of Dev and DevB

\* user1 47a5e3e commit by user2 on branch DevB

remotes/origin/design 47a5e3e commit by user2 on branch DevB

remotes/origin/develop c47d15e commit by user1 on branch DevA

remotes/origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git switch

fatal: missing branch or commit argument

ritwik@HUESC git testing % git switch design

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

Switched to a new branch 'design'

ritwik@HUESC git testing % git branch -r -vv

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git switch develop

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

Switched to a new branch 'develop'

ritwik@HUESC git testing % git branch -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

ritwik@HUESC git testing % git branch user2

ritwik@HUESC git testing % git branch -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

user2 c47d15e commit by user1 on branch DevA

ritwik@HUESC git testing % git fetch

ritwik@HUESC git testing % git ls-files

devA\_work.txt

test.txt

ritwik@HUESC git testing % git branch -a

DevA

DevB

design

\* develop

main

user1

user2

remotes/origin/design

remotes/origin/develop

remotes/origin/main

ritwik@HUESC git testing % git branch

DevA

DevB

design

\* develop

main

user1

user2

ritwik@HUESC git testing % git branch -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

user2 c47d15e commit by user1 on branch DevA

ritwik@HUESC git testing % git branch -r -vv

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -a -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

user2 c47d15e commit by user1 on branch DevA

remotes/origin/design 47a5e3e commit by user2 on branch DevB

remotes/origin/develop c47d15e commit by user1 on branch DevA

remotes/origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git ls

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

The most similar command is

log

ritwik@HUESC git testing % git ls-files

devA\_work.txt

test.txt

ritwik@HUESC git testing % git branch

DevA

DevB

design

\* develop

main

user1

user2

ritwik@HUESC git testing % git branch -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

user2 c47d15e commit by user1 on branch DevA

ritwik@HUESC git testing % git branch -a

DevA

DevB

design

\* develop

main

user1

user2

remotes/origin/design

remotes/origin/develop

remotes/origin/main

ritwik@HUESC git testing % git branch -r -vv

origin/design 47a5e3e commit by user2 on branch DevB

origin/develop c47d15e commit by user1 on branch DevA

origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing % git branch -a -vv

DevA c47d15e [origin/develop] commit by user1 on branch DevA

DevB 47a5e3e [origin/design] commit by user2 on branch DevB

design 47a5e3e [origin/design] commit by user2 on branch DevB

\* develop c47d15e [origin/develop] commit by user1 on branch DevA

main 909ea84 [origin/main] merge work of Dev and DevB

user1 47a5e3e [origin/design] commit by user2 on branch DevB

user2 c47d15e commit by user1 on branch DevA

remotes/origin/design 47a5e3e commit by user2 on branch DevB

remotes/origin/develop c47d15e commit by user1 on branch DevA

remotes/origin/main 909ea84 merge work of Dev and DevB

ritwik@HUESC git testing %