Day2

Distributed vcs

91836@Abasaheb MINGW64 ~

$ cd d

bash: cd: d: No such file or directory

91836@Abasaheb MINGW64 ~

$ cd d:

91836@Abasaheb MINGW64 /d

$ mkdir github

91836@Abasaheb MINGW64 /d

$ git init

Initialized empty Git repository in D:/.git/

91836@Abasaheb MINGW64 /d

$ cd github:

bash: cd: github:: No such file or directory

91836@Abasaheb MINGW64 /d

$ cd github

91836@Abasaheb MINGW64 /d/github

$ git init

Initialized empty Git repository in D:/github/.git/

91836@Abasaheb MINGW64 /d/github (master)

$ git remote add origin https://github.com/pritipatilcdac/firstrepo.git

91836@Abasaheb MINGW64 /d/github (master)

$ git status

On branch master

No commits yet

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

91836@Abasaheb MINGW64 /d/github (master)

$ git branch -M main

91836@Abasaheb MINGW64 /d/github (main)

$ git push

fatal: The current branch main has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream origin main

To have this happen automatically for branches without a tracking

upstream, see 'push.autoSetupRemote' in 'git help config'.

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

error: src refspec main does not match any

error: failed to push some refs to 'https://github.com/pritipatilcdac/firstrepo.git'

91836@Abasaheb MINGW64 /d/github (main)

$ git status

On branch main

No commits yet

Untracked files:

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

newfile.java

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

91836@Abasaheb MINGW64 /d/github (main)

$ git add .

91836@Abasaheb MINGW64 /d/github (main)

$ git status

On branch main

No commits yet

Changes to be committed:

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

new file: newfile.java

91836@Abasaheb MINGW64 /d/github (main)

$ commit

bash: commit: command not found

91836@Abasaheb MINGW64 /d/github (main)

Aborting commit due to empty commit message.

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

91836@Abasaheb MINGW64 /d/github (main)

$ git commit -m "new file is created"

[main (root-commit) 7447c53] new file is created

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

create mode 100644 newfile.java

91836@Abasaheb MINGW64 /d/github (main)

$ git status

On branch main

nothing to commit, working tree clean

91836@Abasaheb MINGW64 /d/github (main)

$ git push -m origin main

error: unknown switch `m'

usage: git push [<options>] [<repository> [<refspec>..]

-v, --verbose be more verbose

-q, --quiet be more quiet

--repo <repository> repository

--all push all refs

--mirror mirror all refs

-d, --delete delete refs

--tags push tags (can't be used wit--all or --mirror)

-n, --dry-run dry run

--porcelain machine-readable output

-f, --force force updates

--force-with-lease[=<refname>:<expect>]

require old value of ref to at this value

--force-if-includes require remote updates to bentegrated locally

--recurse-submodules (check|on-demand|no)

control recursive pushing ofubmodules

--thin use thin pack

--receive-pack <receive-pack>

receive pack program

--exec <receive-pack>

receive pack program

-u, --set-upstream set upstream for git pull/stus

--progress force progress reporting

--prune prune locally removed refs

--no-verify bypass pre-push hook

--follow-tags push missing but relevant ta

--signed[=(yes|no|if-asked)]

GPG sign the push

--atomic request atomic transaction oremote side

-o, --push-option <server-specific>

option to transmit

-4, --ipv4 use IPv4 addresses only

-6, --ipv6 use IPv6 addresses only

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

Enumerating objects: 3, done.

Counting objects: 33% (1/3Counting objects: 66% (2/3Counting objects: 100% (3/3Counting objects: 100% (3/3), done.

Writing objects: 100% (3/3), 221 bytes | 221.00 KiB/s, done.

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

To https://github.com/pritipatilcdac/firstrepo.git

\* [new branch] main -> main

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

91836@Abasaheb MINGW64 /d/github (main)

$ ls

newfile.java

91836@Abasaheb MINGW64 /d/github (main)

$ git add .

91836@Abasaheb MINGW64 /d/github (main)

$ git commit -m "modified new file"

[main 4d9d4c5] modified new file

1 file changed, 4 insertions(+)

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

Enumerating objects: 5, done.

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

Writing objects: 100% (3/3), 265 bytes | 265.00 KiB/s, done.

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

To https://github.com/pritipatilcdac/firstrepo.git

7447c53..4d9d4c5 main -> main

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

91836@Abasaheb MINGW64 /d/github (main)

$ git add .

91836@Abasaheb MINGW64 /d/github (main)

$ git commit -m "modifed with bye"

[main 83d1f6b] modifed with bye

1 file changed, 1 insertion(+), 1 deletion(-)

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

To https://github.com/pritipatilcdac/firstrepo.git

! [rejected] main -> main (fetch first)

error: failed to push some refs to 'https://github.com/pritipatilcdac/firstrepo.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

91836@Abasaheb MINGW64 /d/github (main)

$ git pull -u origin main

error: unknown switch `u'

usage: git pull [<options>] [<repository> [<refspec>...]]

-v, --verbose be more verbose

-q, --quiet be more quiet

--progress force progress reporting

--recurse-submodules[=<on-demand>]

control for recursive fetching of submodules

Options related to merging

-r, --rebase[=(false|true|merges|interactive)]

incorporate changes by rebasing rather than merging

-n do not show a diffstat at the end of the merge

--stat show a diffstat at the end of the merge

--log[=<n>] add (at most <n>) entries from shortlog to merge commit message

--signoff[=...] add a Signed-off-by trailer

--squash create a single commit instead of doing a merge

--commit perform a commit if the merge succeeds (default)

--edit edit message before committing

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

--ff allow fast-forward

--ff-only abort if fast-forward is not possible

--verify control use of pre-merge-commit and commit-msg hooks

--verify-signatures verify that the named commit has a valid GPG signature

--autostash automatically stash/stash pop before and after

-s, --strategy <strategy>

merge strategy to use

-X, --strategy-option <option=value>

option for selected merge strategy

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

GPG sign commit

--allow-unrelated-histories

allow merging unrelated histories

Options related to fetching

--all fetch from all remotes

-a, --append append to .git/FETCH\_HEAD instead of overwriting

--upload-pack <path> path to upload pack on remote end

-f, --force force overwrite of local branch

-t, --tags fetch all tags and associated objects

-p, --prune prune remote-tracking branches no longer on remote

-j, --jobs[=<n>] number of submodules pulled in parallel

--dry-run dry run

-k, --keep keep downloaded pack

--depth <depth> deepen history of shallow clone

--shallow-since <time>

deepen history of shallow repository based on time

--shallow-exclude <revision>

deepen history of shallow clone, excluding rev

--deepen <n> deepen history of shallow clone

--unshallow convert to a complete repository

--update-shallow accept refs that update .git/shallow

--refmap <refmap> specify fetch refmap

-o, --server-option <server-specific>

option to transmit

-4, --ipv4 use IPv4 addresses only

-6, --ipv6 use IPv6 addresses only

--negotiation-tip <revision>

report that we have only objects reachable from this object

--show-forced-updates

check for forced-updates on all updated branches

--set-upstream set upstream for git pull/fetch

91836@Abasaheb MINGW64 /d/github (main)

$ git pull origin main

remote: Enumerating objects: 5, done.

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

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

Unpacking objects: 100% (3/3), 285 bytes | 13.00 KiB/s, done.

From https://github.com/pritipatilcdac/firstrepo

\* branch main -> FETCH\_HEAD

4d9d4c5..2c52089 main -> origin/main

Auto-merging newfile.java

Merge made by the 'ort' strategy.

newfile.java | 4 ++++

1 file changed, 4 insertions(+)

91836@Abasaheb MINGW64 /d/github (main)

$ git add .

91836@Abasaheb MINGW64 /d/github (main)

$ git commit

Aborting commit due to empty commit message.

91836@Abasaheb MINGW64 /d/github (main)

$ git commit -m "name fixed"

[main 6f04834] name fixed

1 file changed, 1 insertion(+), 1 deletion(-)

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

Enumerating objects: 13, done.

Counting objects: 100% (13/13), done.

Delta compression using up to 12 threads

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

Writing objects: 100% (9/9), 861 bytes | 287.00 KiB/s, done.

Total 9 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/pritipatilcdac/firstrepo.git

2c52089..6f04834 main -> main

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

91836@Abasaheb MINGW64 /d/github (main)

$ git status

On branch main

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

nothing to commit, working tree clean

91836@Abasaheb MINGW64 /d/github (main)

$ git add .

91836@Abasaheb MINGW64 /d/github (main)

$ git commit -m "added something on same line"

[main a6dbda4] added something on same line

1 file changed, 1 insertion(+), 1 deletion(-)

91836@Abasaheb MINGW64 /d/github (main)

$ git Status

fatal: cannot handle Status as a builtin

91836@Abasaheb MINGW64 /d/github (main)

$ git push -u origin main

Enumerating objects: 5, done.

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

Delta compression using up to 12 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 307 bytes | 307.00 KiB/s, done.

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

To https://github.com/pritipatilcdac/firstrepo.git

6f04834..a6dbda4 main -> main

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

91836@Abasaheb MINGW64 /d/github (main)

$