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**Sub** – DevOps Lab

**Experiment 03**

**Aim** - Demonstration of various git operations on local and remote repository using git cheat-sheet.

**Theory** –

Some git commands are –

1. git --version: Displays the installed version of Git.

2. mkdir <dir name>: Creates a new directory named.

3. git init : Initialize the new git repository in the current directory.

4. nano <file name> : Opens the nano text editor to create or edit the file.

5. git status : Shows the status of the working directory and staging area, including untracked files.

6. git add –all : Adds all changes in the working directory to the staging area.

7. git commit -m "some message" : Commits the staged changes with the some message.

8. git remote add origin <url> : Adds a remote repository named origin with the specified URL.

9. git push -u origin main : Pushes the committed changes to the main branch of the remote repository and sets the upstream branch.

10. git log : Displays the commit history.

11. ls : Lists the files in the current directory.

12. git rm --cached <file name>: Removes the file from the staging area but keeps it in the working directory.

**Program**

Kamal Agrahari@Desktop MINGW64 ~

$ git --version

git version 2.46.0.windows.1

Kamal Agrahari@Desktop MINGW64 ~

$ mkdir exp3

Kamal Agrahari@Desktop MINGW64 ~

$ cd exp3/

Kamal Agrahari@Desktop MINGW64 ~/exp3

$ git init

Initialized empty Git repository in C:/Users/Kamal Agrahari/ exp3.git/

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls -a

./ ../ .git/

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ nano school.txt college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git add .

warning: in the working copy of 'college.txt', LF will be replaced by CRLF the next time Git touches it

warning: in the working copy of 'school.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Created files school.txt and college.txt"

[master (root-commit) c0f6c34] Created files school.txt and college.txt

2 files changed, 2 insertions(+)

create mode 100644 college.txt

create mode 100644 school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git remote add origin https://github.com/Kamalagrahari03/devops-exp3.git

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 4, done.

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

Delta compression using up to 16 threads

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

Writing objects: 100% (4/4), 346 bytes | 346.00 KiB/s, done.

Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/Kamalagrahari03/devops-exp3.git

\* [new branch] master -> master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

nothing to commit, working tree clean

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log

commit c0f6c34a528c5108e79f17287071933ba0f9f3d5 (HEAD -> master, origin/master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:28:48 2024 +0530

Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls -a

./ ../ .git/ college.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git rm --cached school.txt

rm 'school.txt'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

Changes to be committed:

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

deleted: school.txt

Untracked files:

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

school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Deleted the file school.txt"

[master d9e4f5f] Deleted the file school.txt

1 file changed, 1 deletion(-)

delete mode 100644 school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 3, done.

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

Delta compression using up to 16 threads

Compressing objects: 100% (1/1), done.

Writing objects: 100% (2/2), 254 bytes | 254.00 KiB/s, done.

Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/Kamalagrahari03/devops-exp3.git

c0f6c34..d9e4f5f master -> master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

Untracked files:

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

school.txt

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

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log

commit d9e4f5f206d678a739891a49ec8015cae2bf18b8 (HEAD -> master, origin/master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:36:30 2024 +0530

Deleted the file school.txt

commit c0f6c34a528c5108e79f17287071933ba0f9f3d5

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:28:48 2024 +0530

Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout d9e4f school.txt

error: pathspec 'school.txt' did not match any file(s) known to git

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout c0f6c school.txt

Updated 1 path from 7511864

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

Changes to be committed:

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

new file: school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "restore the delted file"

[master aab0dda] restore the delted file

1 file changed, 1 insertion(+)

create mode 100644 school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 4, done.

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

Delta compression using up to 16 threads

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

Writing objects: 100% (3/3), 326 bytes | 326.00 KiB/s, done.

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

To https://github.com/Kamalagrahari03/devops-exp3.git

d9e4f5f..aab0dda master -> master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls

college.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

nothing to commit, working tree clean

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log

commit aab0ddaa394ebd84a538d4521b997b8e67271ce8 (HEAD -> master, origin/master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:40:07 2024 +0530

restore the delted file

commit d9e4f5f206d678a739891a49ec8015cae2bf18b8

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:36:30 2024 +0530

Deleted the file school.txt

commit c0f6c34a528c5108e79f17287071933ba0f9f3d5

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:28:48 2024 +0530

Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ nano myhistory.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git add .

warning: in the working copy of 'myhistory.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Adding the file myhistory.txt"

[master c94bef3] Adding the file myhistory.txt

1 file changed, 1 insertion(+)

create mode 100644 myhistory.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 4, done.

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

Delta compression using up to 16 threads

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

Writing objects: 100% (3/3), 345 bytes | 345.00 KiB/s, done.

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

To https://github.com/Kamalagrahari03/devops-exp3.git

aab0dda..c94bef3 master -> master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log

commit c94bef371475664fb78ce5c5c724b2d07b98f138 (HEAD -> master, origin/master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:42:12 2024 +0530

Adding the file myhistory.txt

commit aab0ddaa394ebd84a538d4521b997b8e67271ce8

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:40:07 2024 +0530

restore the delted file

commit d9e4f5f206d678a739891a49ec8015cae2bf18b8

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:36:30 2024 +0530

Deleted the file school.txt

commit c0f6c34a528c5108e79f17287071933ba0f9f3d5

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:28:48 2024 +0530

Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ nano school.txt myhistory.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

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: myhistory.txt

modified: school.txt

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

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git diff

warning: in the working copy of 'myhistory.txt', LF will be replaced by CRLF the next time Git touches it

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

index 8c22244..d8e450a 100644

--- a/myhistory.txt

+++ b/myhistory.txt

@@ -1 +1,2 @@

World war 3

+It happening right now

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

index e25d7b1..f294038 100644

--- a/school.txt

+++ b/school.txt

@@ -1 +1,2 @@

Hello from Smt . Ramkalidevi School

+Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git add .

warning: in the working copy of 'myhistory.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

c94bef3 (HEAD -> master, origin/master) Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Updated the file myhistory.txt and school.txt"

[master dbf4c23] Updated the file myhistory.txt and school.txt

2 files changed, 2 insertions(+)

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

dbf4c23 (HEAD -> master) Updated the file myhistory.txt and school.txt

c94bef3 (origin/master) Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git diff HEAD HEAD~

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

index d8e450a..8c22244 100644

--- a/myhistory.txt

+++ b/myhistory.txt

@@ -1,2 +1 @@

World war 3

-It happening right now

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

index f294038..e25d7b1 100644

--- a/school.txt

+++ b/school.txt

@@ -1,2 +1 @@

Hello from Smt. Ramkalidevi School

-Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git show

commit dbf4c2385576bebe78540695fa1028a53bfe381c (HEAD -> master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:45:24 2024 +0530

Updated the file myhistory.txt and school.txt

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

index 8c22244..d8e450a 100644

--- a/myhistory.txt

+++ b/myhistory.txt

@@ -1 +1,2 @@

World war 3

+It happening right now

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

index e25d7b1..f294038 100644

--- a/school.txt

+++ b/school.txt

@@ -1 +1,2 @@

Hello from Smt. Ramkalidevi School

+Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git blame school.txt

aab0ddaa (Kamal Agrahari2024-08-02 09:40:07 +0530 1) Hello from Smt. Ramkalidevi School

dbf4c238 (Kamal Agrahari2024-08-02 09:45:24 +0530 2) Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git reflog

dbf4c23 (HEAD -> master) HEAD@{0}: commit: Updated the file myhistory.txt and school.txt

c94bef3 (origin/master) HEAD@{1}: commit: Adding the file myhistory.txt

aab0dda HEAD@{2}: commit: restore the delted file

d9e4f5f HEAD@{3}: commit: Deleted the file school.txt

c0f6c34 HEAD@{4}: commit (initial): Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git diff HEAD HEAD~

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

index d8e450a..8c22244 100644

--- a/myhistory.txt

+++ b/myhistory.txt

@@ -1,2 +1 @@

World war 3

-It happening right now

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

index f294038..e25d7b1 100644

--- a/school.txt

+++ b/school.txt

@@ -1,2 +1 @@

Hello from Smt. Ramkalidevi School

-Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git show HEAD

commit dbf4c2385576bebe78540695fa1028a53bfe381c (HEAD -> master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:45:24 2024 +0530

Updated the file myhistory.txt and school.txt

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

index 8c22244..d8e450a 100644

--- a/myhistory.txt

+++ b/myhistory.txt

@@ -1 +1,2 @@

World war 3

+It happening right now

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

index e25d7b1..f294038 100644

--- a/school.txt

+++ b/school.txt

@@ -1 +1,2 @@

Hello from Smt. RamkalideviSchool

+Checkout myhistory text file

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ nano myhistory.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Added the content to myhistory.txt"

On branch master

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: myhistory.txt

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

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git add .

warning: in the working copy of 'myhistory.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Added the content to myhistory.txt"

[master ca79b93] Added the content to myhistory.txt

1 file changed, 1 insertion(+)

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git tag -a

usage: git tag [-a | -s | -u <key-id>] [-f] [-m <msg> | -F <file>] [-e]

[(--trailer <token>[(=|:)<value>])...]

<tagname> [<commit> | <object>]

or: git tag -d <tagname>...

or: git tag [-n[<num>]] -l [--contains <commit>] [--no-contains <commit>]

[--points-at <object>] [--column[=<options>] | --no-column]

[--create-reflog] [--sort=<key>] [--format=<format>]

[--merged <commit>] [--no-merged <commit>] [<pattern>...]

or: git tag -v [--format=<format>] <tagname>...

-l, --list list tag names

-n[<n>] print <n> lines of each tag message

-d, --delete delete tags

-v, --verify verify tags

Tag creation options

-a, --[no-]annotate annotated tag, needs a message

-m, --message <message>

tag message

-F, --[no-]file <file>

read message from file

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

-e, --[no-]edit force edit of tag message

-s, --[no-]sign annotated and GPG-signed tag

--[no-]cleanup <mode> how to strip spaces and #comments from message

-u, --[no-]local-user <key-id>

use another key to sign the tag

-f, --[no-]force replace the tag if exists

--[no-]create-reflog create a reflog

Tag listing options

--[no-]column[=<style>]

show tag list in columns

--contains <commit> print only tags that contain the commit

--no-contains <commit>

print only tags that don't contain the commit

--merged <commit> print only tags that are merged

--no-merged <commit> print only tags that are not merged

--[no-]omit-empty do not output a newline after empty formatted refs

--[no-]sort <key> field name to sort on

--[no-]points-at <object>

print only tags of the object

--[no-]format <format>

format to use for the output

--[no-]color[=<when>] respect format colors

-i, --[no-]ignore-case

sorting and filtering are case insensitive

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log

commit ca79b930475cd4b8b759fd46c4ad488bb119636e (HEAD -> master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:48:17 2024 +0530

Added the content to myhistory.txt

commit dbf4c2385576bebe78540695fa1028a53bfe381c

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:45:24 2024 +0530

Updated the file myhistory.txt and school.txt

commit c94bef371475664fb78ce5c5c724b2d07b98f138 (origin/master)

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:42:12 2024 +0530

Adding the file myhistory.txt

commit aab0ddaa394ebd84a538d4521b997b8e67271ce8

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:40:07 2024 +0530

restore the delted file

commit d9e4f5f206d678a739891a49ec8015cae2bf18b8

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:36:30 2024 +0530

Deleted the file school.txt

commit c0f6c34a528c5108e79f17287071933ba0f9f3d5

Author: Kamal Agrahari <kamalagrahari2003@gmail.com>

Date: Fri Aug 2 09:28:48 2024 +0530

Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline --decorate

ca79b93 (HEAD -> master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 (origin/master) Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls -a

./ ../ .git/ college.txt myhistory.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch

\* master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch newbie

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout newbie

Switched to branch 'newbie'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ nano newbie.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git add .

warning: in the working copy of 'newbie.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git commit -m "Created the newbie branch"

[newbie a80c5bf] Created the newbie branch

1 file changed, 2 insertions(+)

create mode 100644 newbie.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git log --oneline

a80c5bf (HEAD -> newbie) Created the newbie branch

ca79b93 (master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 (origin/master) Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git checkout master

Switched to branch 'master'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push

fatal: The current branch master has no upstream branch.

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

git push --set-upstream origin master

To have this happen automatically for branches without a tracking

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

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 10, done.

Counting objects: 100% (10/10), done.

Delta compression using up to 16 threads

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

Writing objects: 100% (7/7), 820 bytes | 820.00 KiB/s, done.

Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/Kamalagrahari03/devops-exp3.git

c94bef3..ca79b93 master -> master

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

ca79b93 (HEAD -> master, origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls -a

./ ../ .git/ college.txt myhistory.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout newbie

Switched to branch 'newbie'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git log --oneline

a80c5bf (HEAD -> newbie) Created the newbie branch

ca79b93 (origin/master, master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git branch saap

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git checkout saap

Switched to branch 'saap'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ nano saap.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git status

On branch saap

Untracked files:

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

saap.txt

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

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git add .

warning: in the working copy of 'saap.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git commit -m "Created new file in saap branch"

[saap b7c6609] Created new file in saap branch

1 file changed, 1 insertion(+)

create mode 100644 saap.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git checkout master

Switched to branch 'master'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Everything up-to-date

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

ca79b93 (HEAD -> master, origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch

\* master

newbie

saap

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout saap

Switched to branch 'saap'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git log --oneline

b7c6609 (HEAD -> saap) Created new file in saap branch

a80c5bf (newbie) Created the newbie branch

ca79b93 (origin/master, master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (saap)

$ git checkout master

Switched to branch 'master'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git merge saap

Updating ca79b93..b7c6609

Fast-forward

newbie.txt | 2 ++

saap.txt | 1 +

2 files changed, 3 insertions(+)

create mode 100644 newbie.txt

create mode 100644 saap.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

b7c6609 (HEAD -> master, saap) Created new file in saap branch

a80c5bf (newbie) Created the newbie branch

ca79b93 (origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch -d saap

Deleted branch saap (was b7c6609).

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch

\* master

newbie

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout newbie

Switched to branch 'newbie'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ ls

college.txt myhistory.txt newbie.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git merge master

Updating a80c5bf..b7c6609

Fast-forward

saap.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 saap.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git log --oneline

b7c6609 (HEAD -> newbie, master) Created new file in saap branch

a80c5bf Created the newbie branch

ca79b93 (origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git checkout master

Switched to branch 'master'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

b7c6609 (HEAD -> master, newbie) Created new file in saap branch

a80c5bf Created the newbie branch

ca79b93 (origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch beta

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git branch

beta

\* master

newbie

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ nano beta.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git add .

warning: in the working copy of 'beta.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git commit -m "Created beta branch and added new file"

[master 784c4e0] Created beta branch and added new file

1 file changed, 2 insertions(+)

create mode 100644 beta.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git log --oneline

784c4e0 (HEAD -> master) Created beta branch and added new file

b7c6609 (newbie, beta) Created new file in saap branch

a80c5bf Created the newbie branch

ca79b93 (origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ ls

beta.txt college.txt myhistory.txt newbie.txt saap.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git status

On branch master

nothing to commit, working tree clean

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git checkout newbie

Switched to branch 'newbie'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (newbie)

$ git checkout beta

Switched to branch 'beta'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ nano gaana.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git log --oneline

b7c6609 (HEAD -> beta, newbie) Created new file in saap branch

a80c5bf Created the newbie branch

ca79b93 (origin/master) Added the content to myhistory.txt

dbf4c23 Updated the file myhistory.txt and school.txt

c94bef3 Adding the file myhistory.txt

aab0dda restore the delted file

d9e4f5f Deleted the file school.txt

c0f6c34 Created files school.txt and college.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git stash list

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git add .

warning: in the working copy of 'gaana.txt', LF will be replaced by CRLF the next time Git touches it

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git stash list

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git commit -m "created gaana file in beta branch"

[beta 807e5eb] created gaana file in beta branch

1 file changed, 7 insertions(+)

create mode 100644 gaana.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git stash list

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git diff stash

fatal: ambiguous argument 'stash': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:

'git <command> [<revision>...] -- [<file>...]'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ ls

college.txt gaana.txt myhistory.txt newbie.txt saap.txt school.txt

Kamal Agrahari@Desktop MINGW64 ~/exp3 (beta)

$ git checkout master

Switched to branch 'master'

Kamal Agrahari@Desktop MINGW64 ~/exp3 (master)

$ git push origin master

Enumerating objects: 10, done.

Counting objects: 100% (10/10), done.

Delta compression using up to 16 threads

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

Writing objects: 100% (9/9), 901 bytes | 901.00 KiB/s, done.

Total 9 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (2/2), done.

To https://github.com/Kamalagrahari03/devops-exp3.git

ca79b93..784c4e0 master -> master