**GIT COMMANDS**

1. **git init**: Initialize a new Git repository in the current directory.

Initialized empty Git repository in C:/Users/Sanath S/OneDrive/Desktop/Git/.git/

1. **git clone [repository URL]**: Clone a repository from a remote server to your local machine.

Cloning into 'GIT'...

remote: Enumerating objects: 100, done.

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

remote: Compressing objects: 100% (80/80), done.

remote: Total 100 (delta 20), reused 95 (delta 15), pack-reused 0

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

1. **git add [file]**: Add a file to the staging area. You can also use **git add .** to add all files in the current directory.
2. **git commit -m "Commit message"**: Commit staged changes with a descriptive message.

[main 5c7a268] Commit message

1 file changed, 3 insertions(+)

1. **git status**: Show the current status of the repository, including which files are staged, unstaged, or untracked.

On branch main

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

nothing to commit, working tree clean

1. **git diff**: Show the differences between the working directory, staging area, and the last commit.
2. **git pull**: Fetch changes from the remote repository and merge them into the current branch.

From https://github.com/git-actions

\* branch main -> FETCH\_HEAD

Already up to date.

1. **git push**: Push committed changes to the remote repository.

Enumerating objects: 6, done.

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

Delta compression using up to 4 threads

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

Writing objects: 100% (4/4), 396 bytes | 396.00 KiB/s, done.

Total 4 (delta 2), reused 0 (delta 0)

remote: Resolving deltas: 100% (2/2), completed with 2 local objects.

To https://github.com/git-actions

46770f1..5c7a268 main -> main

1. **git branch**: List all branches in the repository.

\* main

feature-branch

1. **git branch [branch name]**: Create a new branch with the specified name.
2. **git checkout [branch name]**: Switch to the specified branch.

Switched to branch 'main'

1. **git merge [branch name]**: Merge changes from the specified branch into the current branch.

Updating 5c7a268..46770f1

Fast-forward

file.txt | 3 +--

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

1. **git remote -v**: List all remote repositories associated with the current repository.

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

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

1. **git remote add [name] [repository URL]**: Add a new remote repository with the specified name and URL.
2. **git log**: View the commit history of the repository.