List all the git commands

1. Basic Git Commands

- git init: Initialize a new Git repository.
- git clone <repository-url>: Clone a repository from a remote source.
- git status: Check the status of your working directory and staging area.
- git add <file>: Add a file to the staging area.
- git add .: Add all changes in the current directory to the staging area.
- git commit -m "message": Commit staged changes with a descriptive message.
- git commit --amend: Modify the last commit message or add changes.

2. Branching and Merging

- git branch: List all branches.
- git branch <branch-name>: Create a new branch.
- git branch -d <branch-name>: Delete a branch.
- git checkout <branch-name>: Switch to another branch.
- git checkout -b
branch-name>: Create and switch to a new branch.
- git merge <branch-name>: Merge another branch into the current branch.
- git rebase <branch-name>: Reapply commits on top of another branch.

3. Remote Repositories

- git remote -v: List all remote repositories.
- git remote add <name> <url>: Add a remote repository.
- git pull: Fetch and merge changes from a remote repository.
- git push: Push changes to a remote repository.
- git push origin
 branch-name>: Push a specific branch to the remote.
- git fetch: Download updates from a remote repository without merging.
- git remote remove <name>: Remove a remote repository.

4. Viewing History

- git log: View commit history.
- git log --oneline: View commit history in a single-line format.

- git log --graph: View history as a graph.
- git diff: View unstaged changes.
- git diff <commit>: View changes compared to a specific commit.
- git diff <branch-name>: Compare changes with another branch.

5. Undoing Changes

- git reset <file>: Unstage a file.
- git reset --hard: Reset the working directory and staging area to the last commit.
- git revert <commit>: Create a new commit to undo a specific commit.
- git checkout <file>: Discard changes in a file.

6. Stashing Changes

- git stash: Save uncommitted changes temporarily.
- git stash apply: Apply stashed changes without removing them from stash.
- git stash pop: Apply stashed changes and remove them from stash.
- git stash list: List all stashed changes.
- git stash drop: Remove a specific stash.

7. Tagging

- git tag: List all tags.
- git tag <tag-name>: Create a new tag.
- git tag -a <tag-name> -m "message": Create an annotated tag.
- git push origin <tag-name>: Push a tag to the remote repository.
- git push origin --tags: Push all tags to the remote repository.

8. Collaboration

- git cherry-pick <commit>: Apply a specific commit from another branch.
- git blame <file>: Show the author and changes for each line in a file.

9. Configuration

• git config --global user.name "Your Name": Set the global username.

- git config --global user.email "your.email@example.com": Set the global email.
- git config --list: List all Git configurations.

10. Advanced Commands

- git reflog: Show a log of references (commits, branch changes, etc.).
- git bisect: Perform binary search to find a commit that introduced a bug.
- git submodule: Manage submodules in a repository.
- git archive: Create an archive of a Git repository.
- git clean -f: Remove untracked files from the working directory.

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MINGW64:/c/Users/mkuma/OneDrive/Desktop/ManishDomainTraining
    เปลือนคือทำรกรากฏก Manawaa -/OneDrive/Desktop/ManishDomainiraining (main)
git init
git init
git init
git/git/
aining/.git/
    kuma@ManishSingh MINGm64 ~/OneDrive/Desktop/ManishDomainTraining (master)
git config --local user.name "bl3user35"
    cuma@ManishSingh MINGW64 ~/OneDrive/Desktop/ManishDomainTraining (master)
git config --local user.email "bl3user35@rpsconsulting.in"
  kuma@ManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git status
n branch master
  othing to commit (create/copy files and use "git add" to track)
   git status
n branch master
  o commits vet
     tracked files:
(use "git add <file>..." to include in what will be committed)
  WummäWanishSingh MINGm64 -/OneDrive/Desktop/ManishDomainTraining (maste git commit -m "Uploaded Dayl" master (root-commit) 2478elf] Uploaded Dayl 8 files changed, 0 insertions (-), 0 deletions (-) create mode 100644 Dayl/session_assignment/assignmentl-ManishSingh.pdf create mode 100644 Dayl/session_assignment/assignmentl.pdf create mode 100644 Dayl/session_assignment/assignment2.pdf create mode 100644 Dayl/session_assignment/assignment3.pdf create mode 100644 Dayl/session_task/cah.dock create mode 100644 Dayl/session_task/cah.dock create mode 100644 Dayl/session_task/cah.dof create mode 100644 Dayl/session_task/cah.gdf create mode 100644 Dayl/session_task/cah.gdf
    cuma@ManishSingh MINGW64 ~/OneDrive/Desktop/ManishDomainTraining (master)
git remote set-url origin https://gitlab.rpsconsulting.in/bl3user35/ManishDTA.git
ror: No such remote 'origin'
NINGW64:/c/Users/mkuma/OneDrive/Desktop/ManishDomainTraining
    cumasManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git remote -v
    cuma@ManishSingh MINGW64 -/OneDrive/Desktop/ManishDomainTraining (master)
git push -u origin master
atal: origin' does not appear to be a git repository
atal: Could not read from remote repository.
  lease make sure you have the correct access rights nd the repository exists.
   kumamManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git remote set-url origin hitps://gitlab.rpsconsulting.in/bl3user35/ManishDTA.git
rror: No such remote 'origin'
    cuma@ManishSingh MINGw64 ~/OneDrive/Desktop/ManishDomainTraining (master)
git remote add origin https://gitlab.rpsconsulting.in/b13user35/ManishDTA.git
    cuma@ManishSingh MINGW64 -/OneDrive/Desktop/ManishDomainTraining (master)
git remote -v
igin https://gitlab.rpsconsulting.in/bl3user35/ManishDTA.git (fetch)
rigin https://gitlab.rpsconsulting.in/bl3user35/ManishDTA.git (push)
   Attain https://gitlab.rpsconsulting.in/plausers/ManishDTA.git (push)

kummaNanishtenipk MILNGM64 -/oneDrive/Desktop/ManishDomainTraining (master)

git push -u origin master

tatal: unable to connect to cache daemon: Unknown error

numerating objects: 13, done.

elta compression using up to 12 threads

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

elta compression using up to 12 threads

morpressing objects: 100% (12/12), done.

riting objects: 100% (13/13), 1.50 MIB | 23.97 MIB/s, done.

otal 13 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

o https://gitlab.rpsconsulting.in/blausers5/ManishDTA.git

* [new branch] master > master

ranch "master set up to track "origin/master".
    cumanManishSingh MINGW64 -/OneDrive/Desktop/ManishDomainTraining (master)
git status
branch master
our branch is up to date with 'origin/master'.
    ntracked files:
(use "git add <file>..." to include in what will be committed)
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```
uma@ManishSingh MII
git add Day2to3/
  kumasWanishbingh MINGw64 -/oneDrive/Desktop/ManishDomainTraint
git push
atal: unable to connect to cache daemon: Unknown error
numerating objects: 23, done.
ounting objects: 100% (23/23), done.
elta compression using up to 12 threads
ompressing objects: 100% (22/22), done.
riting objects: 100% (22/22), 136 MHB | 20.84 MHB/s, done.
otal 22 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
o https://gitlab.rpsconsulting.in/blauser35/ManishDTA.git
7a78elf.7f854aa master -> master
  kuma@ManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git log
commit 7f854aa98e87d01f75aoc3972bd9ffd3066ca771a (HEAD -> master, origin/master)
uthor: blauser36 db13user364psconsulting.in>
ate: Sat Dec 14 22:10:41 2024 +0530
        Uploaded Day2to3
   Uploaded Day2to3

cmmit 7a78e1f113d31950e120a3bf7950f0f68376c1caa

uthor: b13user35 db13user35@rpsconsulting.in>

ate: Sat Dec 14 21:49:17 2024 +0530
        Uploaded Day1
  kumadManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git log --oneline
#584aa (H&D) --master, origin/master) Uploaded Day2to3
a78e1f Uploaded Day1
NINGW64:/c/Users/mkuma/OneDrive/Desktop/ManishDomainTraining
wmaRManishSingh MINOM64 -/OneDrive/Desktop/ManishDomainTraining (master)

s git diff 7a78eif
siff --git a/Day2to3/Day2/session_assignment/assignmentl.pdf b/Day2to3/Day2/session_assignment/assignmentl.pdf
new file mode 100844
diff --git a/Day2to3/Day2/session_assignment/assignmentl.pdf b/Day2to3/Day2/session_assignment/assignmentl.pdf
new file mode 100844
index 0.00000. .926306f
--- /dev/null
++ b/Day2to3/Day2/session_assignment/assignmentl.pdf
ma -0.0 sl,61 mm
                      Requirements:
o Icon: Clipboard or checklist.
o Key Message: "Defining WoAT the system must do."
o Importance: Ensures the project meets business needs and user expectations.
o Outputs: Software Requirements Specification (SRS), Use Cases.
                                           :
o Icon: Blueprint or UI wireframe.
o Key Message: "Mapping out HOW the system will work."
o Importance: Translates requirements into architecture and components.
o Outputs: System Architecture, Data Models, Prototypes.

    Testing:

            Testing:
            Con: Bug symbol or magnifying glass.
            Key Message: "Ensuring the system works as intended."
            Importance: Detects and fixes defects, ensuring quality and reliability.
            Outputs: Test Cases, Bug Reports, Validated Software.

                     Deployment:
o Icon: Cloud upload or rocket.
o Key Message: "Delivering the software to users."
o Importance: Makes the system available for use and monitors its performance o Outputs: Deployed Application, User Manuals.
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```
cumasManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
  kumasManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining/demo (master)
touch demo.txt
 kumaaManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining/demo (master)
git status
n branch master
our branch is up to date with 'origin/master'.
  ntracked files:
(use "git add <file>..." to include in what will be committed)
 othing added to commit but untracked files present (use "git add" to track)
  cuma@
 uma@ManishSingh MiNomes "Jones
git status
n branch master
our branch is up to date with 'origin/master'.
  ntracked files:
(use "git add <file>..." to include in what will be committed)
  cumasManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master) git add .
 kumaaManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master)
git commit -m "Uploaded demo"
master 614af53] Uploaded demo
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demo/demo.txt
 kumamManishSingh MINGw64 -/OneDrive/Desktop/ManishDomainTraining (master) git status n branch master our branch is ahead of 'origin/master' by 1 commit. (use "git push" to publish your local commits)
 othing to commit, working tree clean
NINGW64:/c/Users/mkuma/OneDrive/Desktop/ManishDomainTraining
 kumaaMannishSingh MINGW64 ~/OneDrive/Desktop/ManishDomainTraining
git log
ommit 6:14af535afcf4e4ccaae8ea6df5af3eb2d48ddb (HEAD -> master)
uthor: bl3user35 dx13user35@rpsconsliting.in>
ate: Sat Dec 14 22:16:31 2024 +0530
     Uploaded demo
  ommit 7f854aa98e87d01f75a0c3972bd9fd3066ca771a
uthor: b13user35 <b13user35@rpsconsulting.in>
atte: Sat Dec 14 22:10:41 2024 +0530
 KumaBManishSingh MINGW64 -/OneDrive/Desk
git log --oneline
144753 (HEAD -> master) Uploaded demo
11aa3a9 (origin/master) Uploaded Day4to6
f554aa Uploaded Day2to3
a78elf Uploaded Day1
 kumaaManishSingh MINGW64 -/OneDrive/Desktop/ManishDomainTraining (master)
git status
n branch master
our branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
  othing to commit, working tree clean
   ls
y1/ Day2to3/ Day4to6/ demo/
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MINIOMOGA/JUben/mixman@neDrive/Desktop/ManishDomainTraining (master)

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