

PROGRAM-11. Setting up basic commands :

Initialize a new git repository in a directory . Create a new file and add it to the staging area and commit the changes with an appropriate commit message.

1. Create a folder (mkdir gitlab / foldername)
2. Change the directory to the new folder (cd filename / pathname)
3. Create a text file (notepad filename)
4. Initialize git repository (git init)
5. make changes in file
6. Stage the file (git add filename / git add)
7. Commit the changes with a commit message (git commit -m "message")
8. git log

Output:

C:\Users\SMVIT>E:

E:\>mkdir gitlab

E:\>cd gitlab

E:\gitlab>mkdir expr1

E:\gitlab>cd expr1

E:\gitlab\expr1>notepad pgm1

E:\gitlab\expr1>git config --global user.name "Nimah"

E:\gitlab>expr1>git config --global user.email "

nimah@gmail.com"

E:\gitlab\expr1>git init

Initialized empty Git repository in E:/gitlab/expr1/.git/

E:\gitlab\expr1>git add pgm1.txt

E:\gitlab\expr1>git status

on branch master

No commits yet

Changes to be committed:

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

new file: pgm1.txt

E:\gitlab\expr1>git commit -m "my first commit"

[master (root-commit) 68c29a9] my first commit

1 file changed, 1 insertion (+)

create mode 100644 pgm1.txt

E:\gitlab\expr1>git log

commit 68c29a95412b76ef04ccdf73bec18939b8ff48d793

(HEAD → Master)

Author : Nimah <nimah@gmail.com>

Date : Fri Sep 13 14:51:59 2024 +0530

my first commit.

18/2/2024

PROGRAM-2

2. Creating and managing branches:
Create a new branch named "feature branch".
Switch to the "master" branch. Merge the "Feature-branch" into "master".

1. Create a folder (mkdir foldername)
2. Create a file by changing directory to new folder
(cd path)
3. Initialize git repository (git init)
4. Stage the file (git add filename)
5. Commit the file with commit message:
(git commit -m "message")
6. Create a new branch (feature branch) and switch to it (git checkout -b featurebranch)
7. Do some modification in file in the feature branch
8. Stage the file and commit the file using the above used commands (5)
9. Switch back to master branch (git checkout master)
10. ~~Merge feature branch into the master branch.~~
(git merge branch name)

Output:

C:\Users\SMVIT>E:

E:\> cd gitlab

E:\gitlab> cd pgm2

E:\gitlab\pgm2> git init

Reinitialized existing Git repository in E:/gitlab/pgm2/

E:\gitlab\pgm2> git config --global user.name "Nimah"

E:\gitlab\pgm2> git config --global user.email "nimah@gmail.com"

E:\gitlab\pgm2> prog2.txt

E:\gitlab\pgm2> git add .

E:\gitlab\pgm2> git commit -m "my first commit"

[feature-branch 40b7eFa] my first commit

1 file changed, 1 insertion (+)

E:\gitlab\pgm2> git checkout -b feature-branch1

Switched to a new branch 'feature-branch1'

E:\gitlab\pgm2> prog2.txt

E:\gitlab\pgm2> git add .

E:\gitlab\pgm2> git commit -m "my feature branch changes"

[feature branch 1 9c3a652] my feature branch changes

1 file changed, 2 insertions (+), 1 deletion (-)

E:\gitlab\pgm2> git checkout master

Switched to branch 'master'

E:\gitlab\pgm2> git merge feature-branch1

Updating 90d55ff... 9c3a652

Past → forward

prog2.txt / & ++

1 file changed, 2 insertions (+)

E:\gitlab\pgm2> prog2.txt