

Name:K.Soujanya

Section:CSE-A

Roll No:422163

Assignment-5

Task-2)Create a project under CVS/git repository and record multiple versions/branches and practice merging of branches using gitbash commands and upload all your previous labtasks to this repository

■ Commands to initialize a new Git repository in the project1 directory:

mkdir <project name>

cd <project name>

git init

■ After adding lab task files and directories, command to stage the changes made: git add .

■ command to commit the changes: git

`commit -m "Initial commit: Adding lab tasks"`

■ commands to create different versions:

`git checkout -b version1`

`git checkout -b version2`

■ command to switch between the

versions: `git checkout version1`

■ command to commit the changes made:

`git commit -m "Version 2 changes"`

■ commands to merge the branches (if changes made in both branches):

`git checkout master`

`git merge version1`

`git merge version2`

■ commands to upload the local repository to a github repository(using repo's link)

`git remote add origin <repository link>`
(provide PAT instead of password)

`git push -u origin master`

```

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\K SOUJANYA\Desktop> wsl
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.146.1-microsoft-standard-WSL2 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

This message is shown once a day. To disable it please create the
/home/ammulu/.hushlogin file.
ammulu@LAPTOP-I4949DCG:~/c/Users/K SOUJANYA/Desktop$ cd /home/ammulu
ammulu@LAPTOP-I4949DCG:~$ ls
tq      assignment  chown.sh  ed.txt    git_repo  heelo.c  nullptr.c  outfind.txt  stackoverflow.c  v.txt
a.out   at.txt     co.txt   f.txt     gitrepo   jk.txt   outch.txt  partition.img  symbolic_link     tsconfigservice.iso
a.txt   avl.c     d.txt   find.sh   gy.txt    k.txt   outchown.txt  rw.txt       softlink          unix
abc.sh  awk.sh    dd.sh   finger.sh h.txt     ln.sh   outdd.txt    outdiff.txt  softlink.sh       unix_assignments
al.txt  chgrp.sh  diff.sh  gh        hddisk.img nullptr  outdiff.txt  softlink.sh    unix_assignments

ammulu@LAPTOP-I4949DCG:~$ cd git_repo
ammulu@LAPTOP-I4949DCG:~/git_repo$ git init
Reinitialized existing Git repository in /home/ammulu/git_repo/.git/
ammulu@LAPTOP-I4949DCG:~/git_repo$ git add .
ammulu@LAPTOP-I4949DCG:~/git_repo$ git commit -m "Initial commit: Adding lab tasks"
[master 0438c8a] Initial commit: Adding lab tasks
 9 files changed, 0 insertions(+), 0 deletions(-)
rename {assign_1 => assignments/assign_1}/lab_task1.pdf (100%)
rename {assign_2 => assignments/assign_2}/awk.output (100%)
rename {assign_2 => assignments/assign_2}/awk.sh (100%)
rename {assign_2 => assignments/assign_2}/awk.txt (100%)
rename {assign_2 => assignments/assign_2}/cpio.sh (100%)
rename {assign_2 => assignments/assign_2}/cpio.sh (100%)
rename {assign_2 => assignments/assign_2}/sed.output (100%)
rename {assign_2 => assignments/assign_2}/sed.sh (100%)
rename {assign_2 => assignments/assign_2}/tar.output (100%)

```

```

rename {assign_2 => assignments/assign_2}/awk.sh (100%)
rename {assign_2 => assignments/assign_2}/awk.txt (100%)
rename {assign_2 => assignments/assign_2}/cpio.sh (100%)
rename {assign_2 => assignments/assign_2}/sed.output (100%)
rename {assign_2 => assignments/assign_2}/sed.sh (100%)
rename {assign_2 => assignments/assign_2}/tar.output (100%)
rename {assign_2 => assignments/assign_2}/tar.sh (100%)
ammulu@LAPTOP-I4949DCG:~/git_repo$ git commit -m "Initial commit: Adding lab tasks"
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
ammulu@LAPTOP-I4949DCG:~/git_repo$ git checkout version1
error: pathspec 'version1' did not match any file(s) known to git
ammulu@LAPTOP-I4949DCG:~/git_repo$ git checkout -b version1
Switched to a new branch 'version1'
ammulu@LAPTOP-I4949DCG:~/git_repo$ git add .
ammulu@LAPTOP-I4949DCG:~/git_repo$ git commit -m "Version1 changes: Ordered directories"
On branch version1
nothing to commit, working tree clean
ammulu@LAPTOP-I4949DCG:~/git_repo$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)
ammulu@LAPTOP-I4949DCG:~/git_repo$ git merge version1
Already up to date.
ammulu@LAPTOP-I4949DCG:~/git_repo$ git init
Reinitialized existing Git repository in /home/ammulu/git_repo/.git/
ammulu@LAPTOP-I4949DCG:~/git_repo$ git checkout -b version2
Switched to a new branch 'version2'
ammulu@LAPTOP-I4949DCG:~/git_repo$ ls
assignments  gdb_debugger  static_dynamic_libraries
ammulu@LAPTOP-I4949DCG:~/git_repo$ cd assignments/
ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ ls
assign_1  assign_2
ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ mv assign_1 assignment1
ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ mv assign_2 assignment2
ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ ls
assignment1  assignment2
ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ cd ..

```

```

ammulu@LAPTOP-I4949DCG:~/git_repo/assignments$ cd ..
ammulu@LAPTOP-I4949DCG:~/git_repo$ git add
ammulu@LAPTOP-I4949DCG:~/git_repo$ git commit -m "Version2 changes: Renamed files"
[Version2 495eb9f] Version2 changes: Renamed files
 9 files changed, 0 insertions(+), 0 deletions(-)
rename assignments/{assign_1 => assignment1}/lab_task1.pdf (100%)
rename assignments/{assign_2 => assignment2}/awk.output (100%)
rename assignments/{assign_2 => assignment2}/awk.sh (100%)
rename assignments/{assign_2 => assignment2}/awk.txt (100%)
rename assignments/{assign_2 => assignment2}/cpio.sh (100%)
rename assignments/{assign_2 => assignment2}/sed.output (100%)
rename assignments/{assign_2 => assignment2}/sed.sh (100%)
rename assignments/{assign_2 => assignment2}/tar.output (100%)
rename assignments/{assign_2 => assignment2}/tar.sh (100%)
ammulu@LAPTOP-I4949DCG:~/git_repo$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)
ammulu@LAPTOP-I4949DCG:~/git_repo$ git merge version2
Updating 0438c8a..495eb9f
Fast-forward
 assignments/{assign_1 => assignment1}/lab_task1.pdf | Bin
 assignments/{assign_2 => assignment2}/awk.output   | 0
 assignments/{assign_2 => assignment2}/awk.sh       | 0
 assignments/{assign_2 => assignment2}/awk.txt      | 0
 assignments/{assign_2 => assignment2}/cpio.sh      | 0
 assignments/{assign_2 => assignment2}/sed.output   | 0
 assignments/{assign_2 => assignment2}/sed.sh       | 0
 assignments/{assign_2 => assignment2}/tar.output   | 0
 assignments/{assign_2 => assignment2}/tar.sh       | 0
 9 files changed, 0 insertions(+), 0 deletions(-)
rename assignments/{assign_1 => assignment1}/lab_task1.pdf (100%)
rename assignments/{assign_2 => assignment2}/awk.output (100%)
rename assignments/{assign_2 => assignment2}/awk.sh (100%)
rename assignments/{assign_2 => assignment2}/awk.txt (100%)
rename assignments/{assign_2 => assignment2}/cpio.sh (100%)
rename assignments/{assign_2 => assignment2}/sed.output (100%)
rename assignments/{assign_2 => assignment2}/sed.sh (100%)
rename assignments/{assign_2 => assignment2}/tar.output (100%)
rename assignments/{assign_2 => assignment2}/tar.sh (100%)
ammulu@LAPTOP-I4949DCG:~/git_repo$ git push -u origin master

```

```

ammulu@LAPTOP-I4949DCG:~/git_repo$ git push -u origin master
Username for 'https://github.com': SoujanyaK0018
Password for 'https://SoujanyaK0018@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 785 bytes | 785.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/SoujanyaK0018/unix_repo.git
 94929a9..495eb9f  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
ammulu@LAPTOP-I4949DCG:~/git_repo$ |

```

github.com/SoujanyaK0018/unix_repo

Gmail

YouTube

Maps

SoujanyaK0018 / unix_repo

Q

Type to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

👤

unix_repo

Public

📌 Pin

👁 Unwatch 1

🔗 master

🌿 1 Branch

🏷 0 Tags

Q

Go to file

t

Add file

<>

Code

👤 SoujanyaK0018

Version2 changes: Renamed files

495eb9f · 4 hours ago

🕒 3 Commits

📁 assignments

Version2 changes: Renamed files

4 hours ago

📁 gdb_debugger

Initial commit: Adding lab tasks

19 hours ago

📁 static_dynamic_libraries

Initial commit: Adding lab tasks

19 hours ago

📖 README