1. **Establish a new directory, populate it with script files, initiate an empty repository on GitHub, convert the local directory into a Git repository, and link it to GitHub for pushing the code into the repository.Perform merge, rebase, stash commands in following github repo**  
     
     
   **Codes:**  
   vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ touch gittask1.sh gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ ls

gittask1.sh gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ echo -e "#!/bin/bash\n\n# task1" > gittask1.sh

-bash: !/bin/bash\n\n#: event not found

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ vi gittask1.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ vi gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ cat gittask1.sh

#!/bin/bash

echo "task1 file 1" > gittask1.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ chmod +x gittask1.sh gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ ls

gittask1.sh gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git init

hint: Using 'master' as the name for the initial branch. This default branch name

hint: is subject to change. To configure the initial branch name to use in all

hint: of your new repositories, which will suppress this warning, call:

hint:

hint: git config --global init.defaultBranch <name>

hint:

hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and

hint: 'development'. The just-created branch can be renamed via this command:

hint:

hint: git branch -m <name>

Initialized empty Git repository in /mnt/c/Users/vigne/Guvi/task/vcstask/.git/

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git add .

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git commit -m "initial commit script files"

Author identity unknown

\*\*\* Please tell me who you are.

Run

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: empty ident name (for <vignesh@LAPTOP-ADIE6CLC.localdomain>) not allowed

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git config --global user.email "vigneshsuresh94@gmail.com"

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git config --global user.name "vignesh"

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ ls

gittask1.sh gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git commit -m "initial commit script files"

[master (root-commit) 831956a] initial commit script files

2 files changed, 6 insertions(+)

create mode 100644 gittask1.sh

create mode 100644 gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git remote add origin https://github.com/amvignesh/testing

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git push -u origin master

Username for 'https://github.com': amvignesh

Password for 'https://amvignesh@github.com':

remote: Support for password authentication was removed on August 13, 2021.

remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for

#!/bin/bash

information on currently recommended modes of authentication.

fatal: Authentication failed for 'https://github.com/amvignesh/testing/'

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git push -u origin master

Username for 'https://github.com': amvignesh

Password for 'https://amvignesh@github.com':

remote: Support for password authentication was removed on August 13, 2021.

remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for

information on currently recommended modes of authentication.

fatal: Authentication failed for 'https://github.com/amvignesh/testing/'

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git remote set-url origin https://ghp\_4cXgbMSKJzjI4TYKzFLn3kG8xTzP8B0KrLkT@github.com/amvignesh/testing.git

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git config --global credential.helper cache

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git push -u origin master

#!/bin/bash

Enumerating objects: 4, done.

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

Delta compression using up to 8 threads

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

Writing objects: 100% (4/4), 347 bytes | 115.00 KiB/s, done.

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

remote:

remote: Create a pull request for 'master' on GitHub by visiting:

remote: https://github.com/amvignesh/testing/pull/new/master

remote:

To https://github.com/amvignesh/testing.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git checkout -b feature-branch

Switched to a new branch 'feature-branch'

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ vi gittask1.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git commit -m "Updated gittask1.sh with new changes"

On branch feature-branch

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: gittask1.sh

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

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git checkout master

M gittask1.sh

Switched to branch 'master'

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

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ vi gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git add gittask2.sh

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git commit -m "Updated gittask2.sh on master"

[master 592d400] Updated gittask2.sh on master

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

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git merge feature-branch

Already up to date.

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git checkout feature-branch

M gittask1.sh

Switched to branch 'feature-branch'

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git rebase master

error: cannot rebase: You have unstaged changes.

error: Please commit or stash them.

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git stash

Saved working directory and index state WIP on feature-branch: 831956a initial commit script files

vignesh@LAPTOP-ADIE6CLC:/mnt/c/Users/vigne/Guvi/task/vcstask$ git stash pop

On branch feature-branch

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: gittask1.sh

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

Dropped refs/stash@{0} (9fa2491b1740906c850820f2d7d038343f80adcf)  
  
**Screenshot:**







