

VCS Task

Task Description:

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.

```
ashok@ashok:~/Desktop$ sudo apt update
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Reading package lists... Done
E: Release file for http://security.ubuntu.com/ubuntu/dists/noble-security/InRelease is not valid yet (invalid for another 2h 50min 27s). Updates for this repository will not be applied.
E: Release file for http://in.archive.ubuntu.com/ubuntu/dists/noble-updates/InRelease is not valid yet (invalid for another 2h 51min 3s). Updates for this repository will not be applied.
ashok@ashok:~/Desktop$ ^C

ashok@ashok:~/Desktop$ mkdir my-git-project
ashok@ashok:~/Desktop$ cd my-git-project
ashok@ashok:~/Desktop/my-git-project$ echo "print('hellofrom sript a') > scriptA.py" > scriptA.py
bash: syntax error near unexpected token `('
ashok@ashok:~/Desktop/my-git-project$ echo "print('hellofrom sript a')" > scriptA.py
ashok@ashok:~/Desktop/my-git-project$ echo "print('hellofrom sript b')" > scriptB.py

ashok@ashok:~/Desktop/my-git-project$ 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 /home/ashok/Desktop/my-git-project/.git/
ashok@ashok:~/Desktop/my-git-project$
```

```

ashok@ashok:~/Desktop/my-git-project$ git add .
ashok@ashok:~/Desktop/my-git-project$ git commit -m "Intial commit"
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: unable to auto-detect email address (got 'ashok@ashok.(none)')
ashok@ashok:~/Desktop/my-git-project$ git config --global user.email "ashokm.it25@gmail.com"
> ^C^C
ashok@ashok:~/Desktop/my-git-project$ git config --global user.email "ashokm.it25@gmail.com"
ashok@ashok:~/Desktop/my-git-project$ git config --global user.name "Ashok"
ashok@ashok:~/Desktop/my-git-project$ git add .
ashok@ashok:~/Desktop/my-git-project$ git commit -m "Intial commit"
[master (root-commit) da1d051] Intial commit
 2 files changed, 2 insertions(+)
 create mode 100644 scriptA.py
 create mode 100644 scriptB.py
ashok@ashok:~/Desktop/my-git-project$
ashok@ashok:~/Desktop/my-git-project$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)
ashok@ashok:~/Desktop/my-git-project$ git checkout -b another-change
Switched to a new branch 'another-change'
ashok@ashok:~/Desktop/my-git-project$ echo "# Another change" >> scriptA.py
ashok@ashok:~/Desktop/my-git-project$ git add .
ashok@ashok:~/Desktop/my-git-project$ git commit -m "Another chnage"
[another-change 87745a6] Another chnage
 1 file changed, 1 insertion(+)
ashok@ashok:~/Desktop/my-git-project$ git checkout rebase-branch
Switched to branch 'rebase-branch'
ashok@ashok:~/Desktop/my-git-project$ git rebase another-change
Successfully rebased and updated refs/heads/rebase-branch.
ashok@ashok:~/Desktop/my-git-project$ echo "# Temporary change" >> scriptA.py
ashok@ashok:~/Desktop/my-git-project$ git stash
Saved working directory and index state WIP on rebase-branch: 2a73d19 Rebase changes in scriptB
ashok@ashok:~/Desktop/my-git-project$ git stash apply
On branch rebase-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:   scriptA.py

no changes added to commit (use "git add" and/or "git commit -a")
ashok@ashok:~/Desktop/my-git-project$ git push origin main
Username for 'https://github.com': Devops-Engineer-07
Password for 'https://Devops-Engineer-07@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 318 bytes | 318.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Devops-Engineer-07/my-git-project
 da1d051..73172af  main -> main
ashok@ashok:~/Desktop/my-git-project$

```

