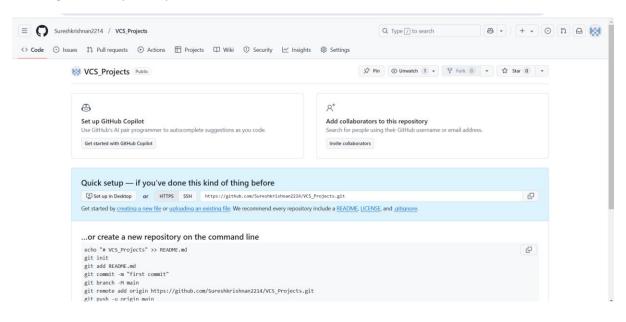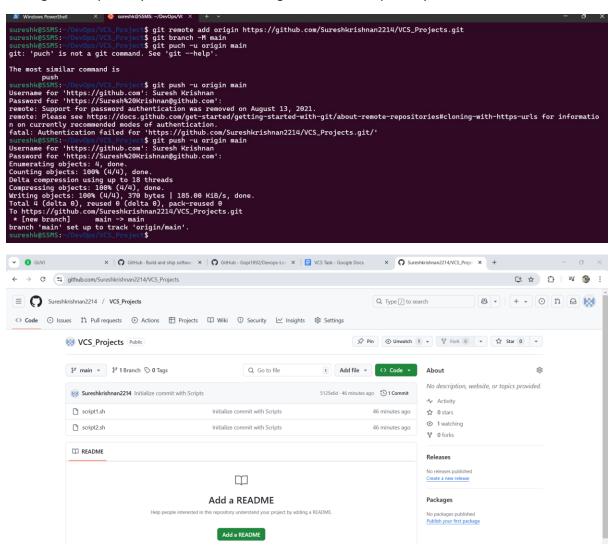## VCS Task

Creating a new directory and add script files in the local directory.

Initializing a Git repository Locally.

Creating a New Repository in GitHub.

Linking Local repository to GitHub and Pushing the files into Repository.

Creating a new branch and merging:

Merge Command:

```
sureshk@SSMS:~/DevOps/VCS_Project$ git merge feature1
Updating 5125e6d..a2b2b8c
Fast-forward
 script1.sh | 1 +
 1 file changed, 1 insertion(+)
sureshk@SSMS:~/DevOps/VCS_Project$
```

Rebase Command:

```
sureshk@SSMS:~/DevOps/VCS_Project$ git checkout -b rebash_feature
Switched to a new branch 'rebash_feature'
sureshk@SSMS:~/DevOps/VCS_Project$ echo 'echo "Rebashing created new feature"' >> script2.sh
sureshk@SSMS:~/DevOps/VCS_Project$ git add .
sureshk@SSMS:~/DevOps/VCS_Project$ git commit -m "Added new rabash feature"
[rebash_feature 0f8f642] Added new rabash feature
 1 file changed, 1 insertion(+)
sureshk@SSMS:~/DevOps/VCS_Project$ git branch
  feature1
  main
* rebash_feature
sureshk@SSMS:~/DevOps/VCS_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)
sureshk@SSMS:~/DevOps/VCS_Project$ git push origin main
Username for 'https://github.com': Suresh Krishnan
Password for 'https://Suresh%20Krishnan@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 18 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 351 bytes | 175.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Sureshkrishnan2214/VCS_Projects.git
   5125e6d..a2b2b8c  main -> main
sureshk@SSMS:~/DevOps/VCS_Project$ git rebash rebash_feature
git: 'rebash' is not a git command. See 'git --help'.

The most similar command is
        rebase
sureshk@SSMS:~/DevOps/VCS_Project$ git rebase rebash_feature
Successfully rebased and updated refs/heads/main.
sureshk@SSMS:~/DevOps/VCS_Project$
```

Stash Command:


```
sureshk@SSMS:~/DevOps/VCS_Project$ echo 'echo "Temporary change"' >> script1.sh
sureshk@SSMS:~/DevOps/VCS_Project$ git stash
Saved working directory and index state WIP on main: 0f8f642 Added new rabash feature
sureshk@SSMS:~/DevOps/VCS_Project$ git stash list
stash@{0}: WIP on main: 0f8f642 Added new rabash feature
sureshk@SSMS:~/DevOps/VCS_Project$
```

Pushing all the files to Git Repo:


```
sureshk@SSMS:~/DevOps/VCS_Project$ git push origin main
Username for 'https://github.com': Suresh Krishnan
Password for 'https://Suresh%20Krishnan@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 18 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 367 bytes | 183.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Sureshkrishnan2214/VCS_Projects.git
   a2b2b8c..0f8f642  main -> main
sureshk@SSMS:~/DevOps/VCS_Project$
```