

VCS Task

Created 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

The screenshot shows a Windows terminal window titled 'MINGW64:/c/Users/Venkat/Eshwar/devops-git-repo'. The terminal output is as follows:

```
venkat Eshwar@Venkat-TUF MINGW64 ~
$ PWD
/c/Users/Venkat/Eshwar
venkat Eshwar@Venkat-TUF MINGW64 ~
$ mkdir devops-git-repo
venkat Eshwar@Venkat-TUF MINGW64 ~
$ cd devops-git-repo
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo
$ vi script.html
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo
$ git init
Initialized empty git repository in C:/Users/Venkat/Eshwar/devops-git-repo/.git/
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (master)
$ git branch -m master main
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git remote add origin https://github.com/Eshwar-venkat/devops-git-repo.git
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git commit -m "first commit"
On branch main
Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    script.html

nothing added to commit but untracked files present (use "git add" to track)

venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git add .
warning: in the working copy of 'script.html', LF will be replaced by CRLF the next time Git touches it
venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   script.html

venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git commit -m "first commit"
```

The taskbar at the bottom of the window shows the date as 03-Feb-26, the time as 2:00 PM, and the weather as 29°C Sunny.

The image shows two screenshots of a Windows desktop environment. The top screenshot displays a GitHub repository page for 'devops-git-repo'. The page includes sections for 'Set up GitHub Copilot', 'Add collaborators to this repository', and a 'Quick setup' guide. The bottom screenshot shows a terminal window running on a Windows system (MINGW64). The terminal displays an HTML script named 'script.html' containing a simple webpage with an alert button.

GitHub Repository Page:

- URL: https://github.com/Eshwar-venkat/devops-git-repo
- Repository: devops-git-repo (Public)
- Actions: Pin, Watch 0, Fork 0, Star 0

Terminal Window (MINGW64):

```
MINGW64:/c/Users/Venkat Eshwar/devops-git-repo
<!DOCTYPE html>
<html>
<head>
<title>My First Webpage</title>
</head>
<body>
<h1>welcome to My Page</h1>
<p>This is a simple HTML script example.</p>
<button onclick="alert('Hello, venkati!')">Click Me</button>
</body>
</html>
```

```

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git commit -m "first commit"
[main (root-commit) 7bbaf58] first commit
 1 file changed, 11 insertions(+)
 create mode 100644 script.html

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression uses up to 56 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3) 388 bytes | 388.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Eshwar-Venkat/devops-git-repo.git
 * [new branch]  main -> main
branch 'main' set up to track 'origin/main'.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git branch other-operation
Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git checkout other-operation
Switched to branch 'other-operation'

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ echo "creating text file in seperate branch" > newfile.txt


ENG IN 2:13 PM 03-Feb-26

```

stash commands

```

MINGW64:/c/Users/Venkat Eshwar/devops-git-repo
Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ ls
newfile.txt script.html

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ 
Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git status
On branch other-operation
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:   script.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  newfile.txt

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

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git stash
Saved working directory and index state WIP on other-operation: 7bbaf58 first commit

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git stash list
stash@{0}: WIP on other-operation: 7bbaf58 first commit

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git status
On branch other-operation
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  newfile.txt

nothing added to commit but untracked files present (use "git add" to track)

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git stash pop
On branch other-operation
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:   script.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  newfile.txt

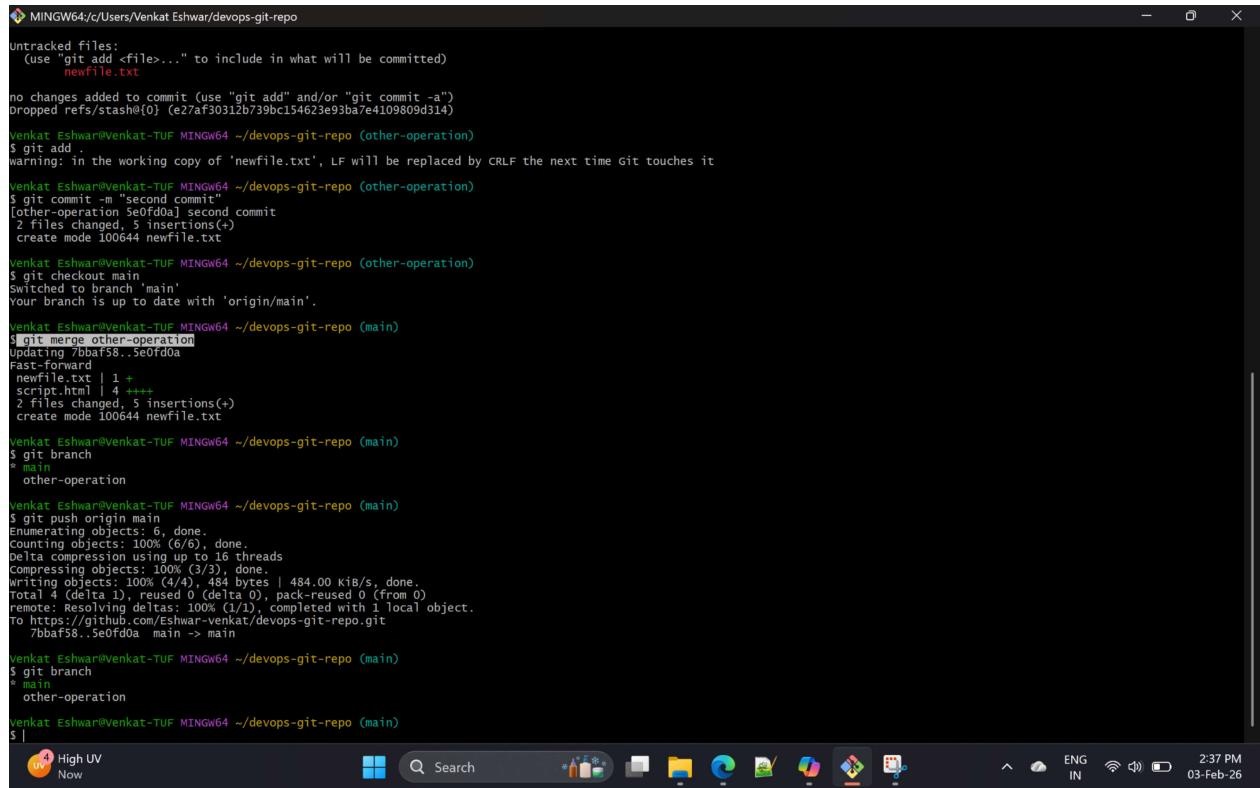
no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (e27af30312b7396c154623e93ba/e4109809d14)

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ |

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```

Perform merge



The screenshot shows a Windows terminal window with a black background and white text. The command line interface is used to perform a git merge operation. The session starts with an untracked file 'newfile.txt' being added to the repository. A second commit is made, and then a merge from the 'other-operation' branch into the 'main' branch is performed. Finally, the changes are pushed to the 'origin/main' branch.

```
MINGW64:/c/Users/Venkat Eshwar/devops-git-repo
Untracked files:
  (use "git add <file>" to include in what will be committed)
  newfile.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} {e27af30312b739bc154623e93ba7e4109809d314}

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git add .
warning: the working copy of 'newfile.txt', LF will be replaced by CRLF the next time Git touches it

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git commit -m "second commit"
[other-operation 5e0fd0a] second commit
 2 files changed, 5 insertions(+)
 create mode 100644 newfile.txt

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git merge other-operation
Updating 7bbaf58..5e0fd0a
Fast-forward
 newfile.txt | 1 +
 script.html | 4 +---
 2 files changed, 5 insertions(+)
 create mode 100644 newfile.txt

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git branch
* main
  other-operation

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), done.
  total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1) completed with 1 local object.
To https://github.com/eshwar-venkat/devops-git-repo.git
  7bbaf58..5e0fd0a  main -> main

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git branch
* main
  other-operation

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
```

Rebase operation

```
MINGW64:/c/Users/Venkat/Eshwar/devops-git-repo
$ git commit -m "3rd commit"
[other-operation 7ace3d2] 3rd commit
 1 file changed, 1 insertion(+)
 create mode 100644 anotherfile.txt

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git rebase main
current branch other-operation is up to date.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git checkout main
switched to branch 'main'
Your branch is up to date with 'origin/main'.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ ls
newfile.txt script.html

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git checkout other-operation
Switched to branch 'other-operation'

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ ls
anotherfile.txt newfile.txt script.html

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git rebase main
current branch other-operation is up to date.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (other-operation)
$ git checkout main
switched to branch 'main'
Your branch is up to date with 'origin/main'.

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git merge other-operation
Updating 5e0fd0a..7ace3d2
Fast-forward
 anotherfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 anotherfile.txt

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 360 bytes | 360.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Eshwar-venkat/devops-git-repo.git
 5e0fd0a..7ace3d2 main -> main

Venkat Eshwar@Venkat-TUF MINGW64 ~/devops-git-repo (main)
$
```

Github Screenshot

The screenshot shows a GitHub repository page for 'devops-git-repo'. The repository is public and has 3 commits. The commits are:

- Eshwar-venkat 3rd commit (7ace3d2, 15 minutes ago)
- anotherfile.txt 3rd commit (15 minutes ago)
- newfile.txt second commit (22 minutes ago)
- script.html second commit (22 minutes ago)

The repository has 0 stars, 0 forks, and 0 releases. It also has 0 packages published. The repository uses the 'main' branch.