

Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

The image displays two screenshots of the GitHub web interface. The top screenshot shows the 'Create a new repository' page. It includes a search bar, a 'New repository' button, and a form to create a new repository. The form has fields for 'Owner' (vishakhakale), 'Repository name' (assignment1), and a 'Description' (optional). It also has radio buttons for 'Public' and 'Private' visibility. Below the form, there are options to 'Initialize this repository with:' (Add a README file) and 'Add .gitignore' (template: None). The bottom screenshot shows the repository page for 'assignment1'. It includes a 'Code' button that is open, showing options to clone the repository using HTTPS, SSH, or GitHub CLI. The page also shows the repository's README file and a 'Fork' button.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner * vishakhakale / Repository name * assignment1
assignment1 is available.

Great repository names are short and memorable. Need inspiration? How about [bookish-spork](#)?

Description (optional)

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore
.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

assignment1 Public

main 1 Branch 0 Tags

Go to file Add file Code

Local Codespaces

Clone

HTTPS SSH GitHub CLI

<https://github.com/vishakhakale/assignment1.git>

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

About

No description, website, or topics provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

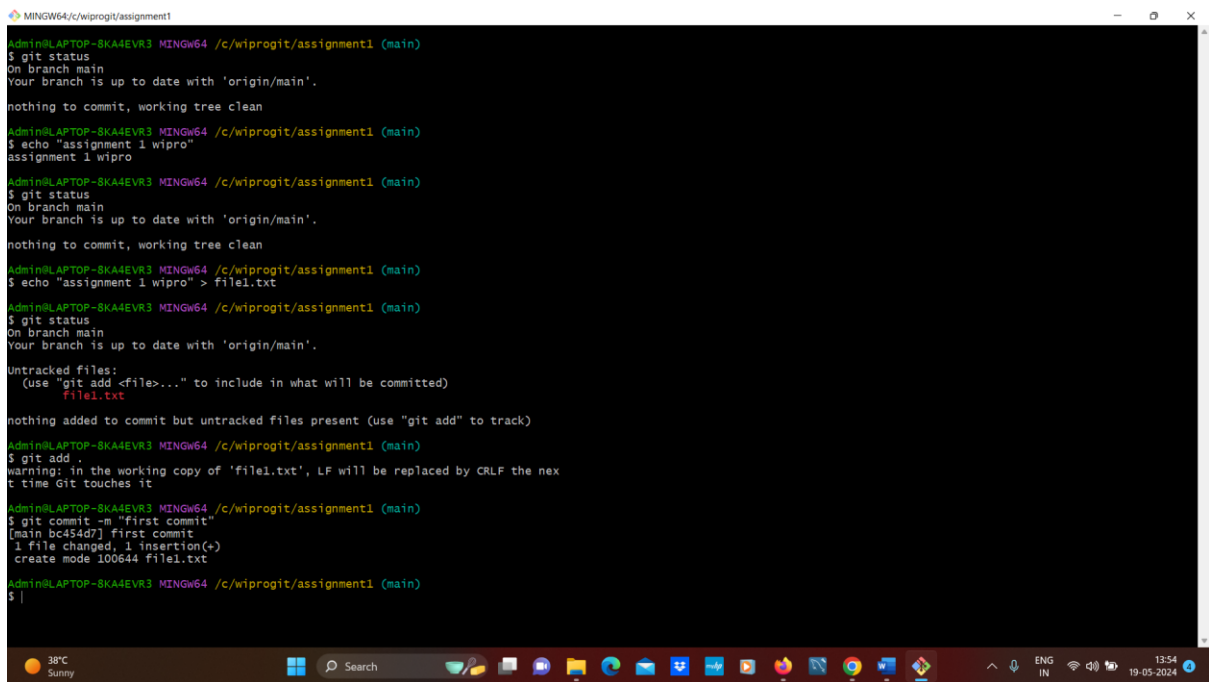
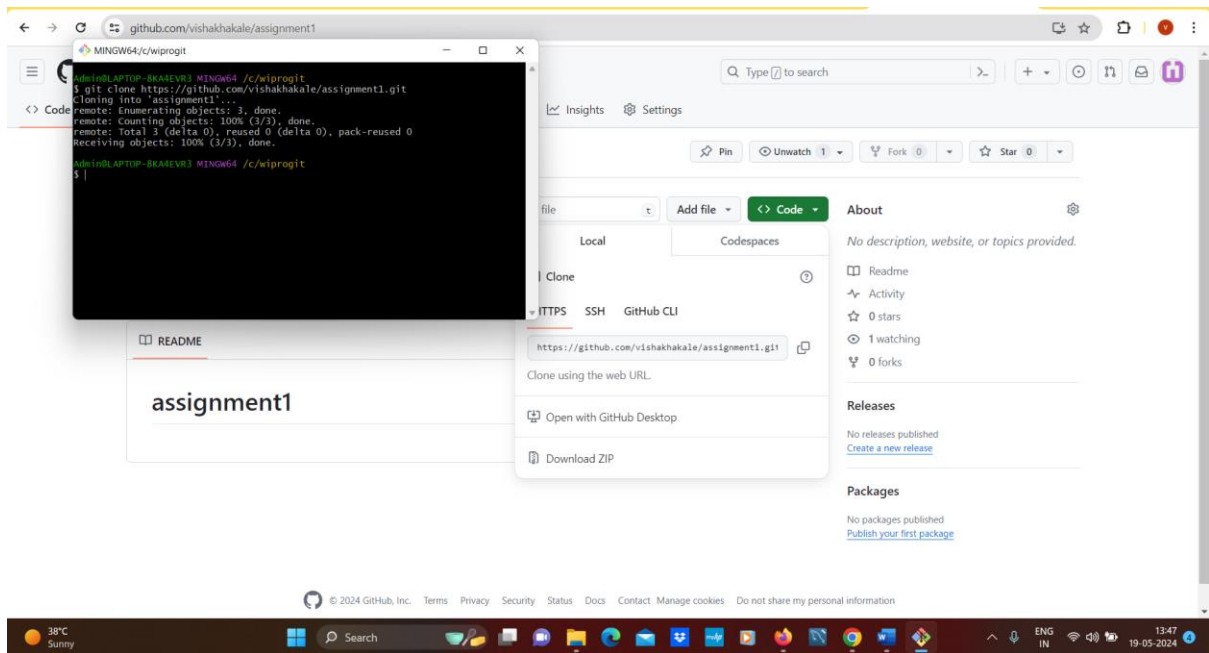
No releases published

[Create a new release](#)

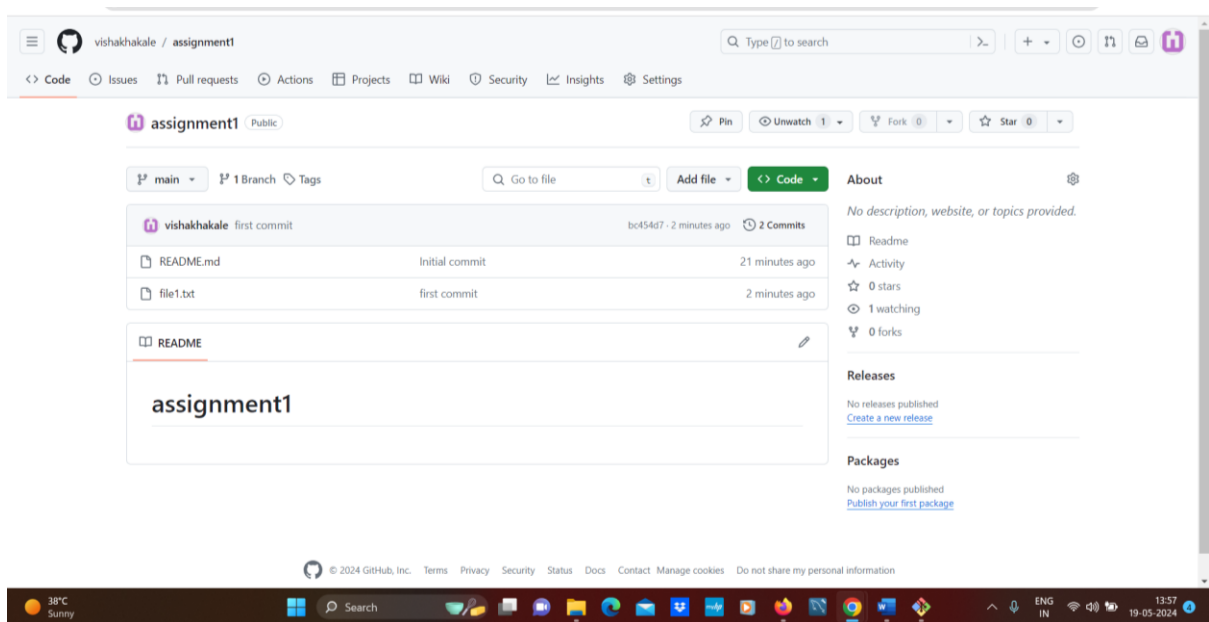
Packages

No packages published

[Publish your first package](#)



```
MINGW64/c/wiprogit/assignment1
nothing to commit, working tree clean
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ echo "assignment 1 wipro"
assignment 1 wipro
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
nothing to commit, working tree clean
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ echo "assignment 1 wipro" > file1.txt
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file1.txt
nothing added to commit but untracked files present (use "git add" to track)
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git add .
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git commit -m "first commit"
[main bc454d7] first commit
1 file changed, 1 insertion(+)
create mode 100644 file1.txt
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git push
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% (3/3), 295 bytes | 295.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
to https://github.com/vishakhakale/assignment1.git
2164da2..bc454d7 main -> main
Admin@LAPTOP-RKA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$
```



Assignment 2: Branch Creation and Switching

Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

```
MINGW64/c/wiprogit/assignment1
admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git branch
* main

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git checkout feature
git: 'checkout' is not a git command. See 'git --help'.
The most similar command is
  checkout

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git checkout feature
git: 'checkout' is not a git command. See 'git --help'.
The most similar command is
  checkout

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git checkout feature
Switched to branch 'feature'

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (feature)
$ echo "first file" >f1.txt

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (feature)
$ git commit -m "first commit"
On branch feature
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        f1.txt

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

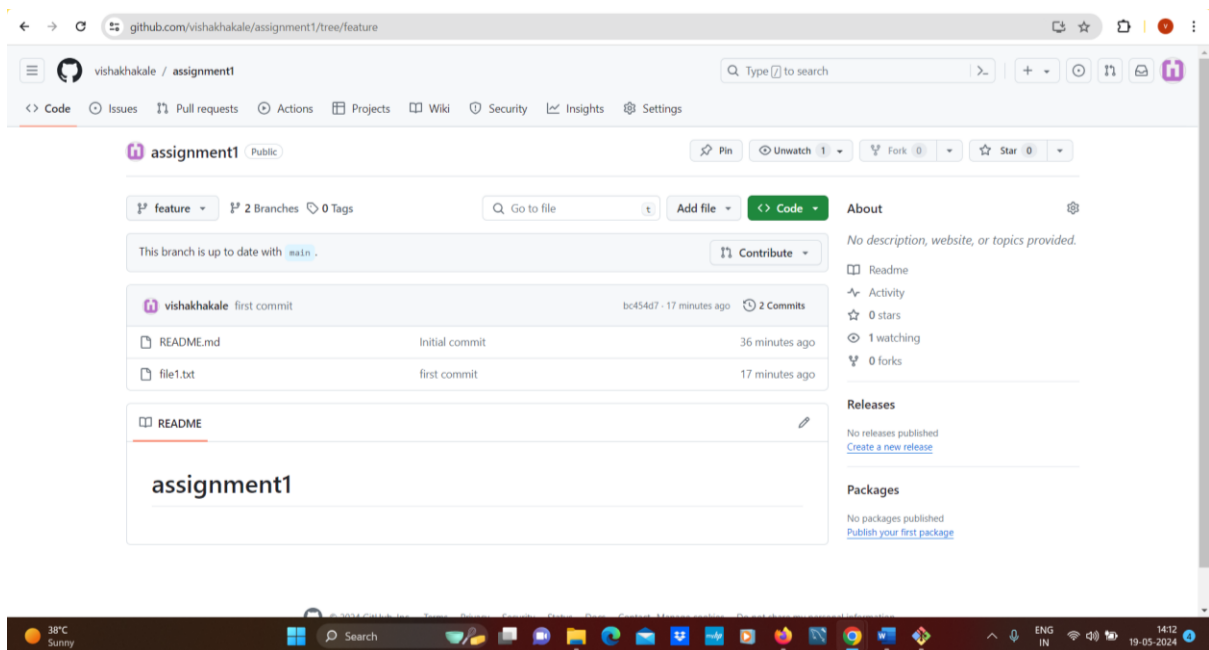
admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (feature)
$ git push
fatal: The current branch feature has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin feature

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (feature)
$ git push origin feature
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/vishakhakale/assignment1/pull/new/feature
remote:
to https://github.com/vishakhakale/assignment1.git
+ [new branch] feature -> feature

admin@LAPTOP-BKAEVR3 MINGW64 /c/wiprogit/assignment1 (feature)
$
```



Assignment 3: Feature Branches and Hotfixes

Create a 'hotfix' branch to fix an issue in the main code.

Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

```
MINGW64/c/wiprogit/assignment1
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git branch hotfix
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git branch
  feature
  hotfix
* main
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git checkout hotfix
Switched to branch 'hotfix'
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ echo "file 2" >f2.txt
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ ls -files
ls: unknown option --e
Try 'ls --help' for more information.
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ ls --files
ls: unknown option -- files
Try 'ls --help' for more information.
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git status
On branch hotfix
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        f1.txt
        f2.txt

nothing added to commit but untracked files present (use "git add" to track)
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git add .
warning: in the working copy of 'f1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'f2.txt', LF will be replaced by CRLF the next time Git touches it
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git commit -m "hotfix branch created or dissolved issue"
```

```
nothing added to commit but untracked files present (use "git add" to track)
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git add .
warning: in the working copy of 'f1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'f2.txt', LF will be replaced by CRLF the next time Git touches it
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git commit -m "hotfix branch created or dissolved issue"
[hotfix ff2cb46] hotfix branch created or dissolved issue
 2 files changed, 2 insertions(+)
 create mode 100644 f1.txt
 create mode 100644 f2.txt
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ checkout main
bash: checkout: command not found
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (hotfix)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git merge hotfix
Updating bc454d7..ff2cb46
Fast-forward
 f1.txt | 1 +
 f2.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 f1.txt
 create mode 100644 f2.txt
Admin@LAPTOP-8KA4EVR3 MINGW64 /c/wiprogit/assignment1 (main)
$ git status
On branch main
```