

IBM Developer
SKILLS NETWORK

Creating Repository in GitHub

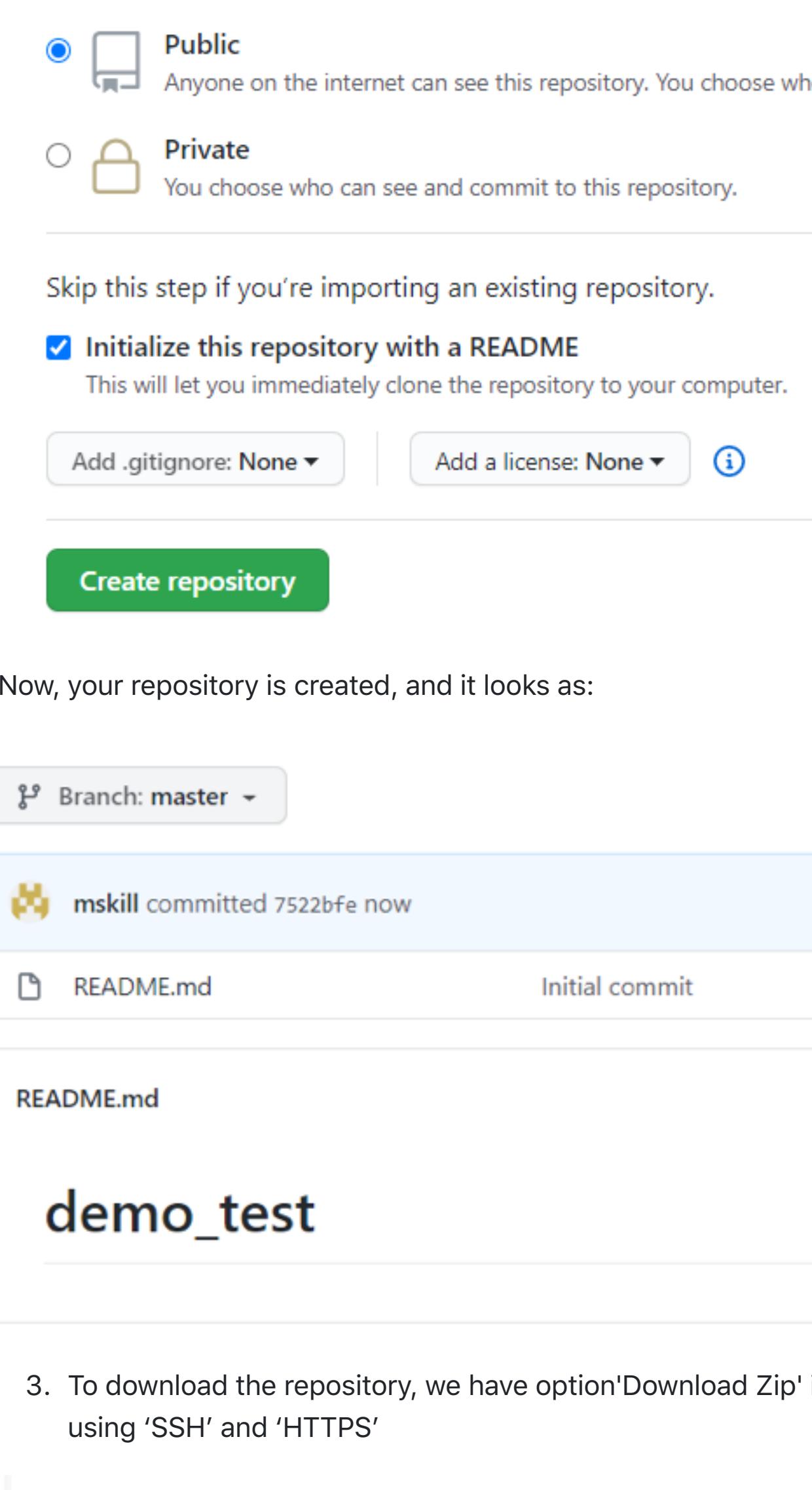
Objectives of this Exercise

- To create a repository in GitHub with README.md
- To create a repository in GitHub without README.md

Note: These instructions work on BASH terminal on Windows & Mac terminals.

Exercise

1. Create a new repository (it's a container where all stuff goes) using the + sign as shown below:



2. Provide the necessary details like repository name. Select repository as Public and initialize the README. Click 'Create'.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner * Repository name *

mskill / demo_test ✓

Great repository names are short and memorable. Need inspiration? How about fictional-sniffle?

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.

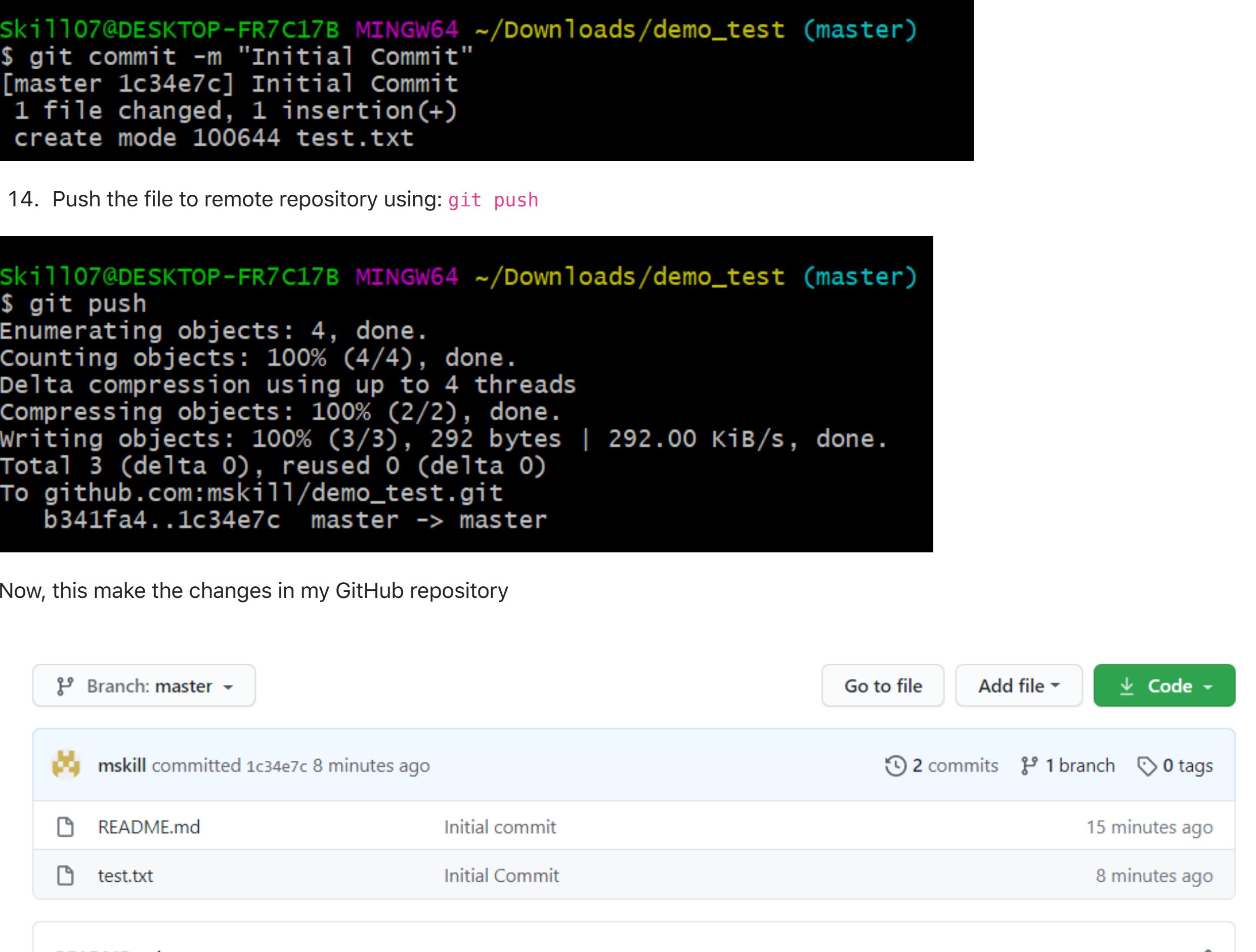
Skip this step if you're importing an existing repository.

Initialize this repository with a README This will let you immediately clone the repository to your computer.

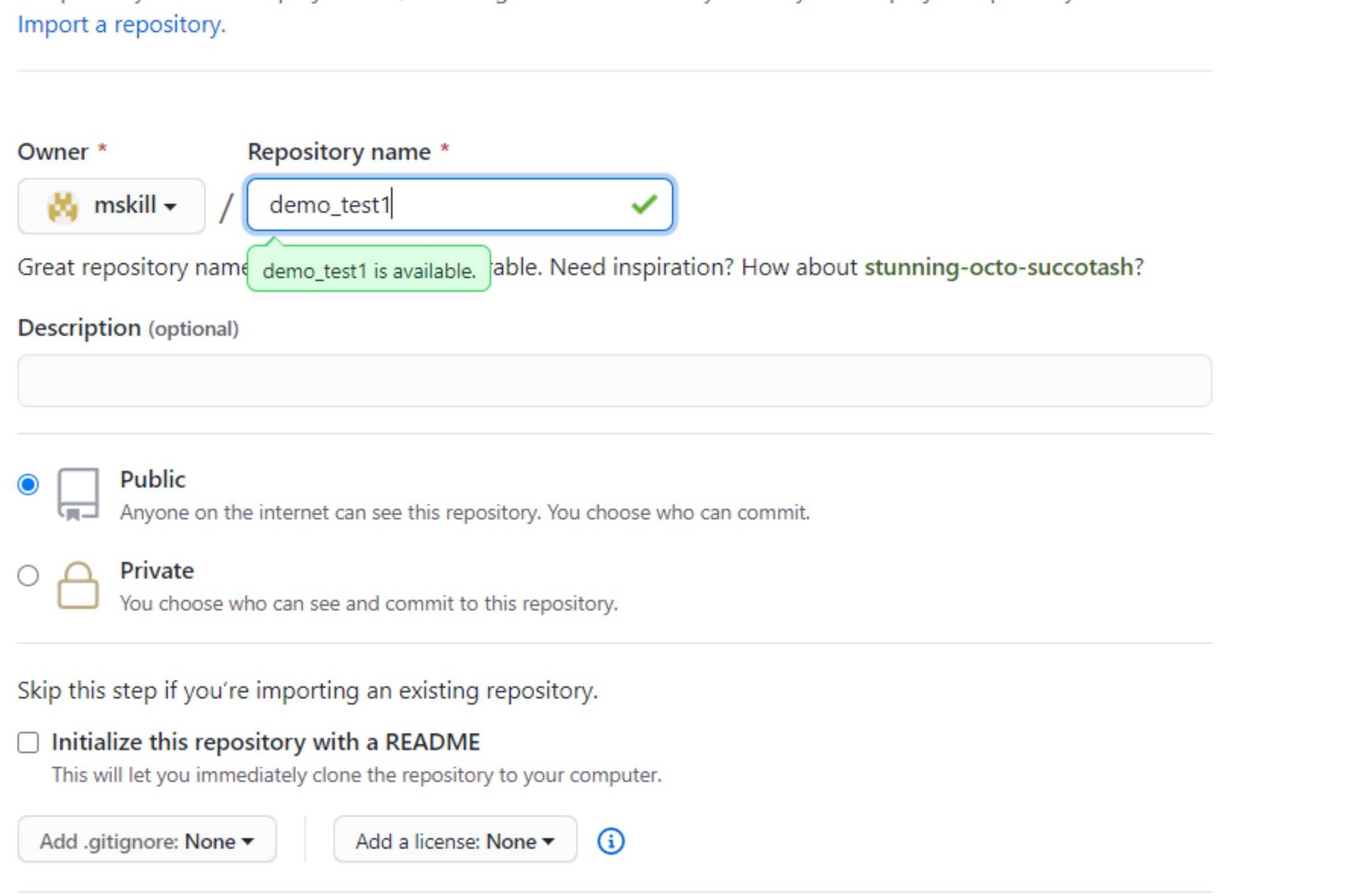
Add .gitignore: None Add a license: None

Create repository

Now, your repository is created, and it looks as:



3. To download the repository, we have option 'Download Zip' in 'Code'. Also, there are two options to copy repository locally using 'SSH' and 'HTTPS'



4. Copy the SSHRepositoryLink on to your clipboard.

5. Open the command prompt or terminal to use the GitHub commands:

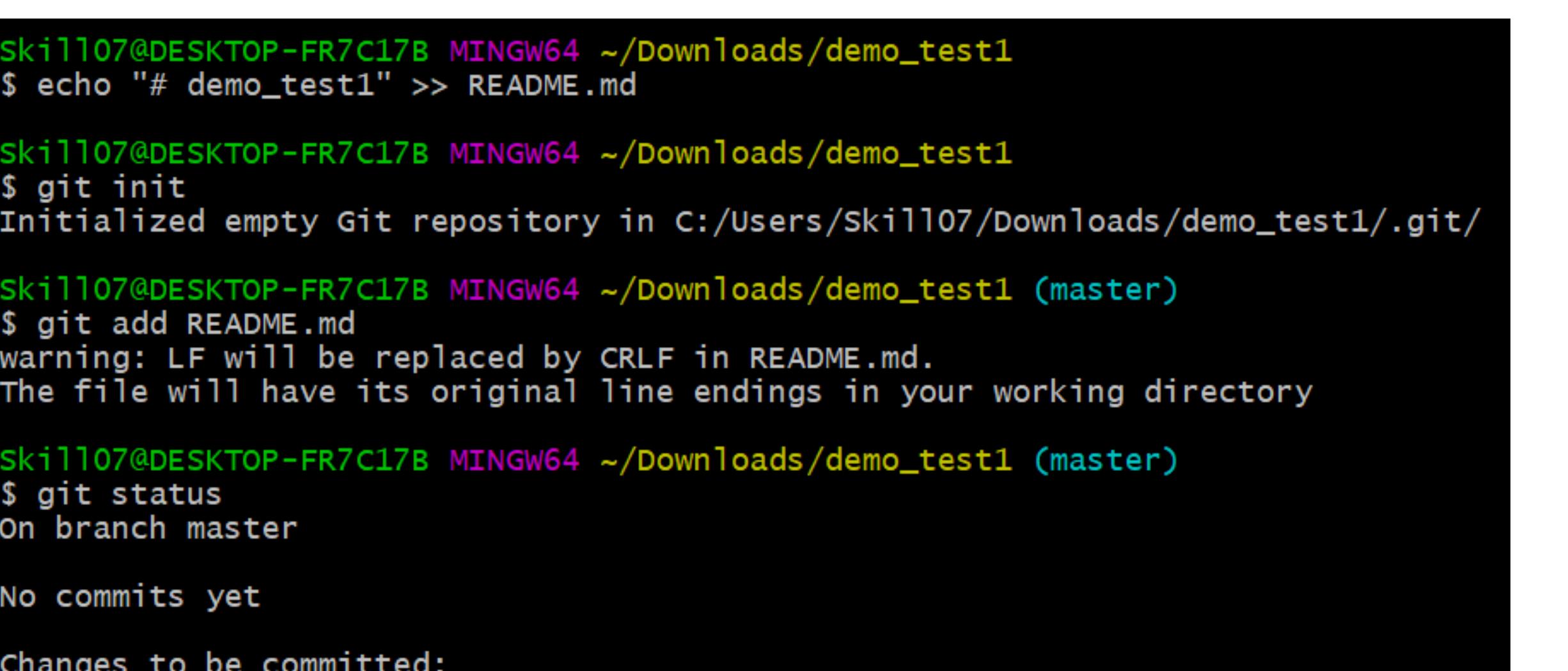
-To change the directory simply use:

cd <name of the directory you want to change to>

-To go to the folder "Downloads" use: cd Downloads

6. Use the SSH repository link from our GitHub Repository and clone it to your local system as follows:

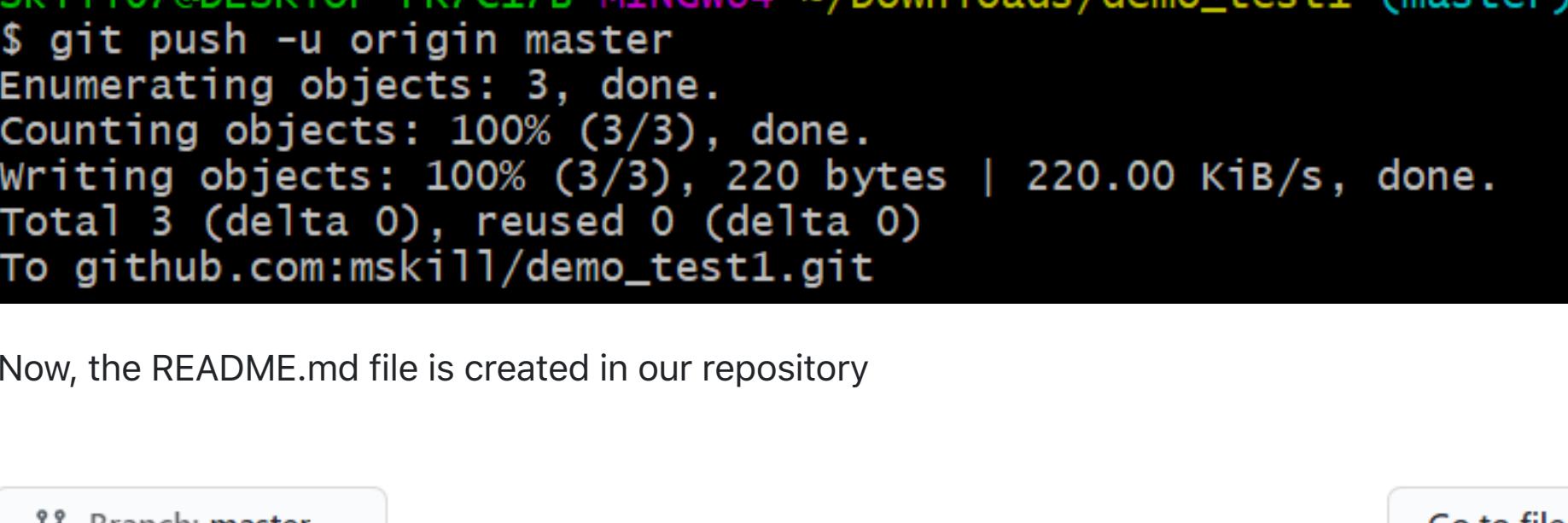
```
git clone pastesshrepositorylinkhere
```



7. Now, the folder is copied to my 'Downloads'. Just check the 'Downloads' have you got the folder demo.

◦ To check my folder, enter the folder using cd command again as: cd demo

8. Get the list of the files in the folder demo, use: For Windows: dir For Mac: ls



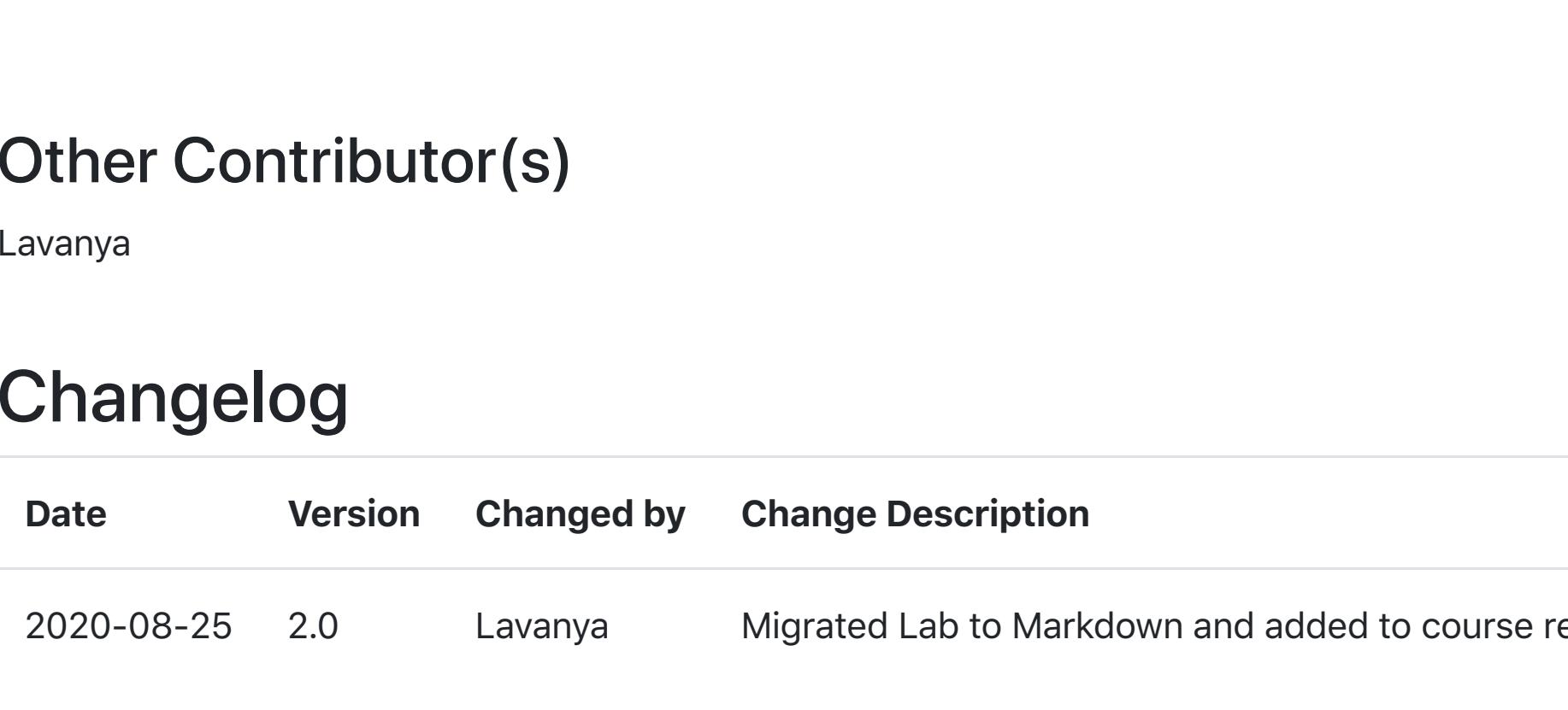
9. To view the content of the file: For Windows: type README.md For Mac: cat README.md

10. To open a README.md file: For Windows: notepad README.md For Mac: open README.md

11. To create a new file: For Windows: notepad test.txt For Mac: vi test.txt

12. Add to the repository: For Windows/Mac: git add test.txt

◦ Check the status of the file using: git status



13. Commit the changes in the repository using: git commit -m "write message here"



14. Push the file to remote repository using: git push

Now, this make the changes in my GitHub repository

Create a repository now without README.md file

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

15. Copy the SSHRepositoryLink on to your clipboard.

16. To come out from the demo folder first use cd ..

17. To make a directory in download folder: mkdir demo1 cd demo1

18. To create a readme file use echo "# demo1" >> README.md

19. Initialize the directory git init

20. Create and add a README.md file. You can use a normal text editor depending on which OS you are using. git add README.md

git remote add origin git@github.com:mskill/demo1.git

git push -u origin master

21. Check the status of the file git status

22. Commit the changes git commit -m "first commit"

23. Add the origin where we have to push the file. This is the SSHRepositoryLink you copied when you created the repository.

git remote add origin git@github.com:mskill/demo1.git

git push -u origin master

24. Push the file git push -u origin master

Now, the README.md file is created in our repository

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Other Contributor(s)

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Changelog

Date	Version	Changed by	Description
2020-08-25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab