



Skills Network

Add file to Repository in GitHub

Objective for Exercise

- To add file to repository on GitHub
- To add file to repository on GitHub through command line

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

Click 'Add file' to add a file

The screenshot shows the GitHub repository page for a user named 'mskill'. The repository is on the 'master' branch. The 'Add file' button is highlighted, and a dropdown menu is open showing options: 'Create new file' (selected) and 'Upload files'. Below the repository name, there is a table of files. The first file is 'README.md', which was committed '12 minutes ago' and is the 'first commit'. Below the file list, the content of 'README.md' is displayed, showing the text 'demo_test1'.

Provide the file name and add a description to that file. To commit the changes in the repository, click 'Commit New File'

The screenshot shows the 'Create new file' dialog in GitHub. The file name 'demo_test1' is entered in the first field, and 'newfile.txt' is entered in the second field. The 'Cancel' button is visible. Below the dialog, the 'Edit new file' tab is active, showing a text editor with the following content:

```
1 This is a remote file created in remote repository
```



Commit new file

Create newfile.txt

Add an optional extended description...

☒ Commit directly to the `master` branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit new file

Cancel

Adding a file remotely will not be there in the local directory. Check the files using `dir`

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ dir
README.md
```

As per the screenshot above, there is 1 file in the repository.

To pull the file that is added in remote repository to local repository, we use PULL command `git pull`

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From github.com:mskill/demo_test1
   6726854..664421a  master    -> origin/master
Updating 6726854..664421a
Fast-forward
 newfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 newfile.txt
```

After pull, if I check the local repository using `dir`, there are 2 files as shown:

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ dir
newfile.txt  README.md
```

To add a branch in master branch `git branch branchname`

Switch the branch `git checkout branchname`

Adding a file in branch `echo "#content">> filename.txt`

Then add the file and push the file. To create the branch remotely we have to use `git push --set-upstream origin branchname`

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ echo "#stuff on branch" >> stuffonbranch.txt

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git add stuffonbranch.txt
warning: LF will be replaced by CRLF in stuffonbranch.txt.
The file will have its original line endings in your working directory

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git commit -m "add to the branch"
[mybranch 889cf83] add to the branch
1 file changed, 1 insertion(+)
create mode 100644 stuffonbranch.txt

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git push
fatal: The current branch mybranch has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin mybranch

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git push --set-upstream origin mybranch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 331 bytes | 165.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'mybranch' on GitHub by visiting:
remote:   https://github.com/mskill/demo_test1/pull/new/mybranch
remote:
To github.com:mskill/demo_test1.git
 * [new branch]      mybranch -> mybranch
Branch 'mybranch' set up to track remote branch 'mybranch' from 'origin'.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git push
Everything up-to-date
```

Switch the branch again to the master using `git checkout master`

Merge command to merge the branches `git merge mybranch`

As the merge command is used the new create branch will be merged to the master branch and the file will be inserted to it. Previously, we have 2 file in the master, now there are 3 files. Make sure to push the files using `git push`

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git merge mybranch
Already up to date.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (mybranch)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git merge mybranch
Updating 664421a..889cf83
Fast-forward
 stuffonbranch.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 stuffonbranch.txt

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git merge mybranch
Already up to date.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git push
Total 0 (delta 0), reused 0 (delta 0)
To github.com:mskill/demo_test1.git
 664421a..889cf83  master -> master
```

Now, the file which is in the branch, is now in the master branch

Branch: master

Go to file

Add file

Code

mskill committed 889cf83 13 minutes ago

3 commits2 branches0 tags

README.md	first commit	41 minutes ago
newfile.txt	Create newfile.txt	25 minutes ago
stuffonbranch.txt	add to the branch	13 minutes ago

README.md

demo_test1

Author(s)

Malika Singla

Other Contributor(s)

Lavanya

Changelog

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

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