

#### Fork and Pull

#### **Objective for Exercise**

- To fork a repository in GitHub
- To make changes to the forked repository and commit the changes
- To create pull requests

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

# How to fork a repository and commit the fork repository and create a pull request.

Open the link: <a href="https://github.com/romeokienzler/TensorFlow/">https://github.com/romeokienzler/TensorFlow/</a>

Click 'Fork' and copy the repository in your account.

Copy the SSH Repository Link and clone it locally using:

git clone yoursshrepolink

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git clone git@github.com:mskill/TensorFlow.git
Cloning into 'TensorFlow'...
remote: Enumerating objects: 125, done.
remote: Total 125 (delta 0), reused 0 (delta 0), pack-reused 125
Receiving objects: 100% (125/125), 205.00 KiB | 290.00 KiB/s, done.
Resolving deltas: 100% (52/52), done.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ cd TensorFlow
```

Open and edit any file in the editor.

After saving the file,

```
git add .
```

And commit the changes with the message:

```
git commit -m "message"
```

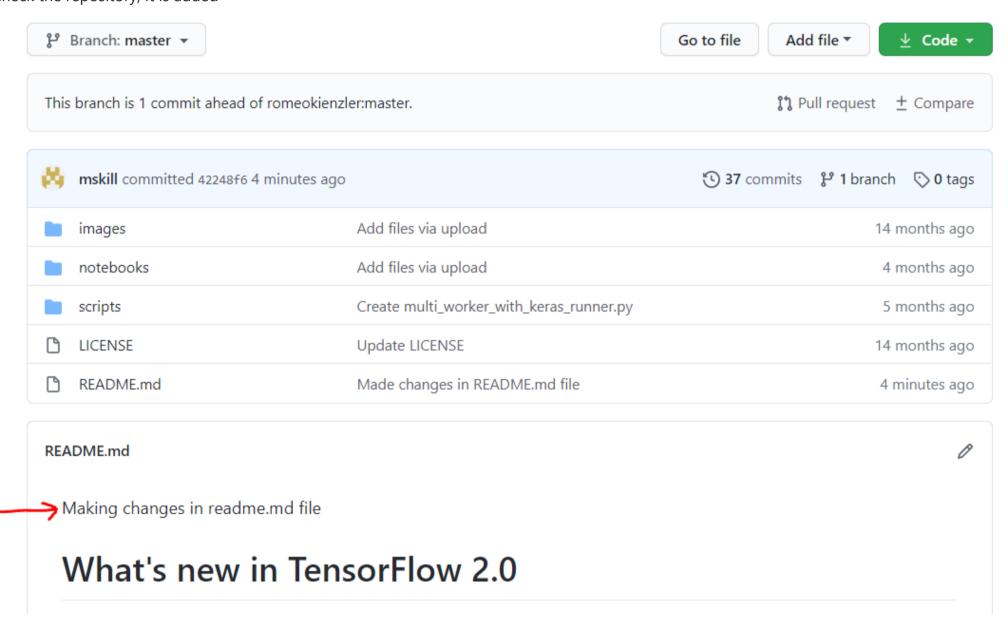
```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git add .

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git commit -m "Made changes in README.md file"
[master 42248f6] Made changes in README.md file
1 file changed, 2 insertions(+)
```

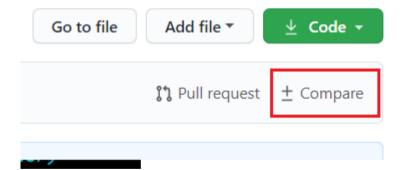
git push to make the changes in remote repository

```
$kill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:mskill/TensorFlow.git
    f8b444a..42248f6 master -> master
```

Check the repository, it is added



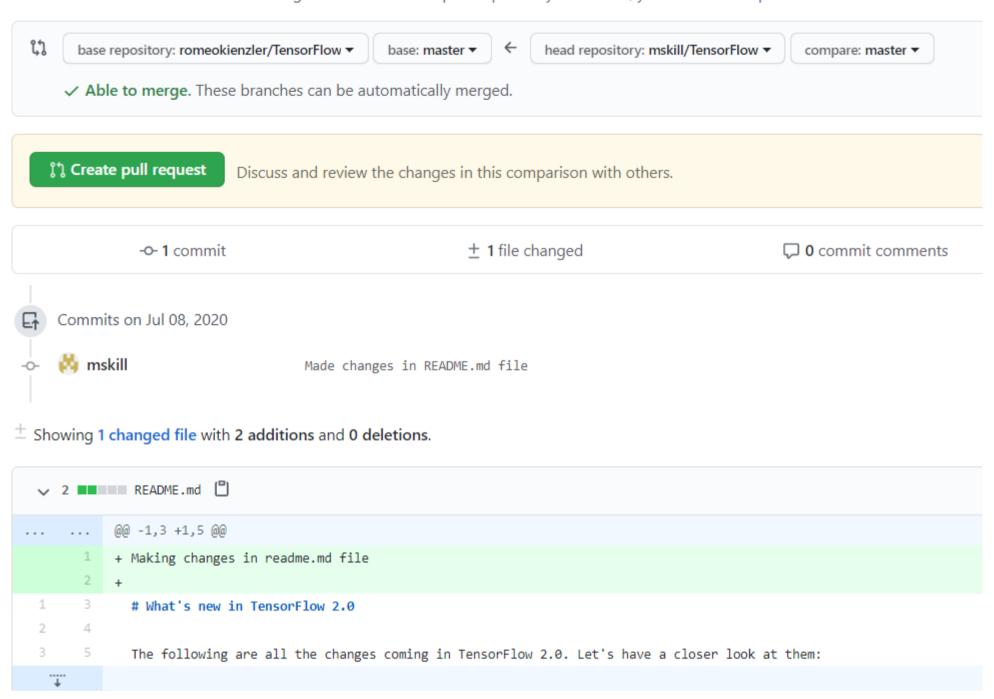
Click 'Compare' to compare the changes.



NOTE: This request will go to AUTHOR of the repository and if the changes looks good, only then the original repository can get the changes.

# Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.



Create a Pull request to make the changes in the original file.

Note: The pull request will now send to the author of the repository and if accepted the changes will be made to the original repository.

### Author(s)

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#### Other Contributor(s)

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# 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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