

Unit 5: Exercise to practise. Create a new repository using the local Git and complete the following parts:

Create the corresponding repository on GitHub and add the remote to the local one.

Create two branches Unit-1 and Unit-2 from the empty master/main branch.

Upload a different file for each branch. Then, push the changes to GitHub.

Checkout Unit-1 and update the same line of one file both from the local and remote repository. Solve the conflicts.

Merge the branches Unit-1 and Unit-2 to master/main.

Create the corresponding repository on GitHub and add the remote to the local one.

Create a directory and go into it.

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ mkdir InformationSystems
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ cd InformationSystems
```

Create an empty repository.

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git init
```

```
Initialized empty Git repository in  
/home/zeus/Documents/GitHub/InformationSystems/.git/
```

Global settings. Add some SVN-like aliases

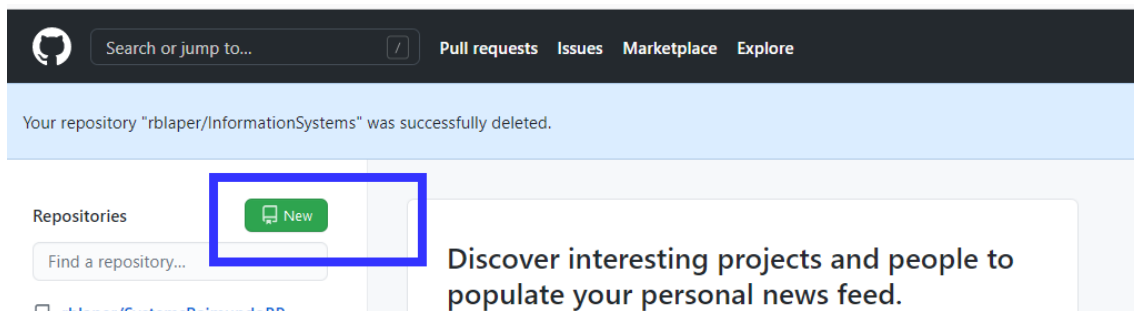
```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git config --global alias.st status && git config  
--global alias.co checkout && git config --global alias.br branch && git config --global alias.up rebase && git config  
--global alias.ci commit
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git config --global --list
```

```
filter.lfs.clean=git-lfs clean -- %f  
filter.lfs.smudge=git-lfs smudge -- %f  
filter.lfs.process=git-lfs filter-process  
filter.lfs.required=true  
user.name=raimundo.blanco  
user.email=raimbp@gmail.com  
credential.helper=store  
core.editor=nano  
alias.st=status  
alias.co=checkout  
alias.br=branch  
alias.up=rebase  
alias.ci=commit
```

```
# git config --global --unset user.mail "" to unset
```

```
# git config --global -edit to manually edit the configuration
```



```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git remote add origin  
https://github.com/rblaper/InformationSystems.git
```

```
git remote set-url origin [repo-url]      # to edit an existing remote  
git remote -v                             # check existing remotes
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git config --get remote.origin.url  
https://github.com/rblaper/InformationSystems.git
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch master
```

```
No commits yet
```

```
nothing to commit (create/copy files and use "git add" to track)
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
fatal: your current branch 'master' does not have any commits yet
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ nano readme.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch master
```

```
No commits yet
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
readme.text
```

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

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git add readme.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   readme.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git commit -m "Initial commit"
```

```
[master (root-commit) 6b839c0] Initial commit  
1 file changed, 9 insertions(+)
```

```
create mode 100644 readme.txt
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (HEAD -> master)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

```
Initial commit
```

Rename branch for avoiding conflicts o synchronising

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch -M main
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
*main
```

**Create two branches Unit-1 and Unit-2 from the empty master/main branch.
Upload a different file for each branch. Then, push the changes to GitHub.**

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch Unit-1
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
Unit-1
*main
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout Unit-1
```

```
Switched to branch 'Unit-1'
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ nano readme_Unit_1.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ ls -l
```

```
total 4
-rw-rw-r-- 1 zeus zeus 523 dic 22 19:56 readme.text
-rw-rw-r-- 1 zeus zeus  0 dic 22 20:35 readme_Unit_1.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch Unit-1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  readme_Unit_1.text
```

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

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git commit -m "Unit-1 file creation"
```

```
[Unit-1 531c920] Unit-1 file creation
1 file changed, 1 insertion(+)
create mode 100644 readme_Unit_1.text
```

```
git zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log --oneline
```

```
531c920 (HEAD -> Unit-1) Unit-1 file creation
6b839c0 (main) Initial commit
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch Unit-1
nothing to commit, working tree clean
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
* Unit-1
Main
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout main
```

```
Switched to branch 'main'
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout -b Unit-2
```

```
Switched to a new branch 'Unit-2'
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ ls -l
```

```
total 4
-rw-rw-r-- 1 zeus zeus 523 dic 22 19:56 readme.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
Unit-1
* Unit-2
Main
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ nano readme_Unit_2.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (HEAD -> Unit-2, main)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

```
Initial commit
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
```

```
On branch Unit-2
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  readme_Unit_2.text

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

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git add readme_Unit_2.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git commit -m "Unit-2 file creation"
```

```
[Unit-2 f1f80e3] Unit-2 file creation
1 file changed, 2 insertions(+)
create mode 100644 readme_Unit_2.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit f1f80e3adfcc756721a46fdec2fbb94cc8742edc (HEAD -> Unit-2)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 21:38:49 2020 +0100
```

```
Unit-2 file creation
```

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (main)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

```
Initial commit
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit f1f80e3adfcc756721a46fdec2fbb94cc8742edc (HEAD -> Unit-2)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 21:38:49 2020 +0100
```

```
Unit-2 file creation
```

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (main)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

```
Initial commit
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout Unit-1
```

```
Switched to branch 'Unit-1'
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit 531c9207f904efc60276b397342e143ca97eb639 (HEAD -> Unit-1)
```

```
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 20:46:41 2020 +0100
```

Unit-1 file creation

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (main)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

Initial commit

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout main
```

Switched to branch 'main'

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log
```

```
commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (HEAD -> main)
Author: raimundo.blanco <raimbp@gmail.com>
Date: Tue Dec 22 19:59:59 2020 +0100
```

Initial commit

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$
```

Updating the branch main on the remote repository

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push -u origin main
```

```
Username for 'https://github.com': rblaper
Password for 'https://rblaper@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 483 bytes | 241.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/rblaper/InformationSystems.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

Increasing login time

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git config --global credential.helper 'cache --
timeout=3600'
```

Updating Branch Unit-2 on the remote repository

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push -u origin Unit-1
```

```
Username for 'https://github.com': rblaper
Password for 'https://rblaper@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 299 bytes | 299.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'Unit-1' on GitHub by visiting:
remote:      https://github.com/rblaper/InformationSystems/pull/new/Unit-
1
remote:
To https://github.com/rblaper/InformationSystems.git
 * [new branch]      Unit-1 -> Unit-1
Branch 'Unit-1' set up to track remote branch 'Unit-1' from 'origin'.
```

Updating Branch Unit-2 on the remote repository

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push -u origin Unit-2
```

```
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 310 bytes | 310.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'Unit-2' on GitHub by visiting:
remote:   https://github.com/rblaper/InformationSystems/pull/new/Unit-2
remote:
To https://github.com/rblaper/InformationSystems.git
* [new branch]      Unit-2 -> Unit-2
Branch 'Unit-2' set up to track remote branch 'Unit-2' from 'origin'.
```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git log Unit-1

```
commit 531c9207f904efc60276b397342e143ca97eb639 (HEAD -> Unit-1,
origin/Unit-1)
Author: raimundo.blanco <raimbp@gmail.com>
Date:   Tue Dec 22 20:46:41 2020 +0100

    Unit-1 file creation

commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (origin/main, main)
Author: raimundo.blanco <raimbp@gmail.com>
Date:   Tue Dec 22 19:59:59 2020 +0100

    Initial commit
```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git checkout Unit-2

```
Switched to branch 'Unit-2'
Your branch is up to date with 'origin/Unit-2'.
```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git log Unit-2

```
commit flf80e3adfcc756721a46fdec2fbb94cc8742edc (HEAD -> Unit-2,
origin/Unit-2)
Author: raimundo.blanco <raimbp@gmail.com>
Date:   Tue Dec 22 21:38:49 2020 +0100

    Unit-2 file creation

commit 6b839c0e17868d6d96c909b96f4c0b7e2a3b5c83 (origin/main, main)
Author: raimundo.blanco <raimbp@gmail.com>
Date:   Tue Dec 22 19:59:59 2020 +0100

    Initial commit
```

📄 rblaper / InformationSystems

<> Code

🔔 Issues

🔗 Pull requests

Overview

Yours

Active

Default branch

main Updated 22 hours ago by rblaper

Your branches

Unit-1 Updated 5 minutes ago by rblaper

Unit-2 Updated 23 minutes ago by rblaper

Active branches

Unit-1 Updated 5 minutes ago by rblaper

Unit-2 Updated 23 minutes ago by rblaper

Terminal - zeus@zeus-VirtualBox: ~/Documents/GitHub/InformationSystems

File Edit View Terminal Tabs Help

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git branch
* Unit-1
Unit-2
main
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ ls -l
total 8
-rw-rw-r-- 1 zeus zeus 523 dic 22 19:56 readme.text
-rw-rw-r-- 1 zeus zeus 99 dic 23 17:30 readme_Unit_1.text
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git checkout Unit-2
Switched to branch 'Unit-2'
Your branch is up to date with 'origin/Unit-2'.
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ ls -l
total 8
-rw-rw-r-- 1 zeus zeus 523 dic 22 19:56 readme.text
-rw-rw-r-- 1 zeus zeus 28 dic 23 17:36 readme_Unit_2.text
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$ ls -l
total 4
-rw-rw-r-- 1 zeus zeus 523 dic 22 19:56 readme.text
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems\$

InformationSystems / readme_Unit_1.txt Cancel

<> Edit file

🔍 Preview changes

Spaces 2 No wrap

Branches Unit-1
Updating line 2 on remote repository.

👤 Commit changes

Update readme_Unit_1.txt

Updating line 2 on remote repository.

🔗 Commit directly to the Unit-1 branch.

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

Commit changes

Cancel

Solving conflicts

Editing a file at the same time on the remote and on the local repository cause conflicts.

Start editing on local

```
Terminal - zeus@zeus-VirtualBox: ~/Documents/GitHub/InformationSystems
File Edit View Terminal Tabs Help
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ nano readme_Unit_1
.txt
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ cat readme_Unit_1.
text
Branches Unit-1
Updating line 2 on local repository branch Unit-1.
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
On branch Unit-1
Your branch is up to date with 'origin/Unit-1'.

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:   readme_Unit_1.text

no changes added to commit (use "git add" and/or "git commit -a")
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log --oneline
531c920 (HEAD -> Unit-1, origin/Unit-1) Unit-1 file creation
6b839c0 (origin/main, main) Initial commit
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git add readme_Uni
t_1.text
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git status
On branch Unit-1
Your branch is up to date with 'origin/Unit-1'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   readme_Unit_1.text

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log --oneline
531c920 (HEAD -> Unit-1, origin/Unit-1) Unit-1 file creation
6b839c0 (origin/main, main) Initial commit
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git commit -m "Upd
ating line 2 on local repository."
[Unit-1 20e5c80] Updating line 2 on local repository.
 1 file changed, 1 insertion(+)
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git log --oneline
20e5c80 (HEAD -> Unit-1) Updating line 2 on local repository.
531c920 (origin/Unit-1) Unit-1 file creation
6b839c0 (origin/main, main) Initial commit
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$
```

On github edit the same file.

Commit changes on both sides and then push / pull

```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push origin Unit-1
To github.com:rblaper/InformationSystems.git
! [rejected]        Unit-1 -> Unit-1 (fetch first)
error: failed to push some refs to 'git@github.com:rblaper/InformationSystems.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git pull origin Unit-1
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), 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), 736 bytes | 147.00 KiB/s, done.
From github.com:rblaper/InformationSystems
 * branch      Unit-1      -> FETCH_HEAD
 5972d33..4f7d271 Unit-1    -> origin/Unit-1
Auto-merging readme_Unit_1.txt
CONFLICT (content): Merge conflict in readme_Unit_1.txt
Automatic merge failed; fix conflicts and then commit the result.
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$

```

Edit the file and select the changes to be accepted

```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ cat readme_Unit_1.txt
text
Branches Unit-1
<<<<<< HEAD
Change line 2 on local repository
=====
Change line 2 on remote repository
>>>>>> 4f7d2713c31ecdae3cb8fed6bf6cbebc4cfb6d98
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$

```

```


zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ cat readme_Unit_1.txt
text
Branches Unit-1
Change line 2 on local repository and then add Change line 2 on remote repository
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$

```


```

zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git add readme_Unit_1.txt && git commit -m "Merging both sides"
[Unit-1 d94f47d] Merging both sides
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push origin Unit-1
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 698 bytes | 139.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To github.com:rblaper/InformationSystems.git
 4f7d271..d94f47d Unit-1 -> Unit-1
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$

```





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Unit-1
InformationSystems / readme_Unit_1.txt


rblaper Merging both sides


1 contributor

2 lines (2 sloc) | 99 Bytes

1 Branches Unit-1
2 Change line 2 on local repository and then add Change line 2 on remote repository

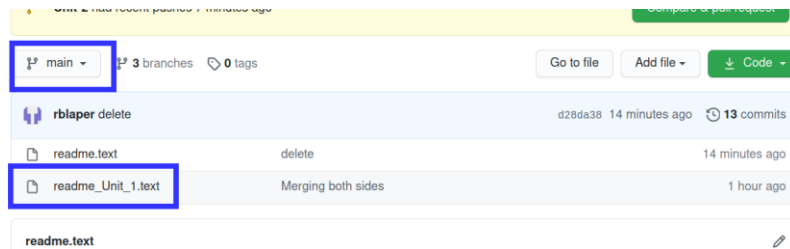
Merging Branches

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git merge Unit-1
```

```
Updating 6b839c0..d94f47d
Fast-forward
 readme_Unit_1.text | 2 ++
 1 file changed, 2 insertions(+)
 create mode 100644 readme_Unit_1.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push origin
```

```
Total 0 (delta 0), reused 0 (delta 0)
To github.com:rblaper/InformationSystems.git
 6b839c0..d94f47d  main -> main
```



```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ mkdir Unit_2/
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ mv readme_Unit_2.t Unit_2/
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git branch
```

```
Unit-1
Unit-2
* main
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git checkout Unit-2
```

```
Dreadme.text
Switched to branch 'Unit-2'
Your branch is up to date with 'origin/Unit-2'.
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git add Unit_2
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git commit -m "Unit-2 folder"
```

```
[Unit-2 53901f9] Unit-2 folder
 3 files changed, 13 insertions(+)
 create mode 100644 Unit_2/readme.text
 create mode 100644 Unit_2/readme_Unit_2.text
```

```
zeus@zeus-VirtualBox:~/Documents/GitHub/InformationSystems$ git push origin
```

