

## Lab-Handling Conflicts

User1 is working on the **test\_branch** branch. He changes some text of a file and after testing, he commits his changes.

### Pre-requisites:

- 1.) Lab-Clone a Repository locally should be executed.

### Steps to Follow

```
# git branch
```

```
* master
```

```
Test_branch
```

```
$ git checkout test_branch
```

```
Switched to branch 'test_branch'
```

```
$ ls
```

```
README.md test.txt
```

```
$ echo "some changes" >> test.txt
```

```
$ cat test.txt
```

```
hello world1
```

```
some changes
```

```
$ git diff
```

```
diff --git a/test.txt b/test.txt
```

```
index 3ad7759..536bc2a 100644
```

```
--- a/test.txt
```

*+++ b/test.txt*

*@@ -1 +1,2 @@*

*hello world1*

*+some changes*

*\$ git status -s*

*M test.txt*

*\$ git add test.txt*

*\$ git commit -m "added new line"*

*[test\_branch 7f584b2] added new line*

*1 file changed, 1 insertion(+)*

*\$ git push origin test\_branch*

*Username for 'https://github.com': xxxxxxxx*

*Password for 'https://xxxxxxx@github.com':*

*Counting objects: 3, done.*

*Delta compression using up to 2 threads.*

*Compressing objects: 100% (2/2), done.*

*Writing objects: 100% (3/3), 301 bytes | 0 bytes/s, done.*

*Total 3 (delta 0), reused 0 (delta 0)*

*To <https://github.com/xxxxxxx/xxxxxxx.git>*

*ea6c2e9..7f584b2 test\_branch -> test\_branch*

*\$ git diff*

```
diff --git a/test.txt b/test.txt
index 3ad7759..bd27b46 100644
--- a/test.txt
+++ b/test.txt
@@ -1,2 @@
hello world1
+adding new line
```

```
$ git add test.txt
$ git commit -m "adding new line"
$ git push origin master
$ git checkout test_branch
$ git pull origin test_branch
From https://github.com/xxxxxxx/gittraining
* branch          test_branch -> FETCH_HEAD
Already up-to-date.
$ git checkout master
Switched to branch 'master'
Your branch is up-to-date with 'origin/master'.
```

```
$ git pull origin test_branch
From https://github.com/xxxxxx/xxxxxxx
* branch          test_branch -> FETCH_HEAD
Auto-merging test.txt
CONFLICT (content): Merge conflict in test.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
$ git diff
```

```
diff --cc test.txt
```

```
index bd27b46,536bc2a..0000000
```

```
--- a/test.txt
```

```
+++ b/test.txt
```

```
@@@ -1,2 -1,2 +1,6 @@@
```

```
hello world1
```

```
++<<<<<< HEAD
```

```
+adding new line
```

```
++=====
```

```
+ some changes
```

```
++>>>>>> 7f584b200317b4b2899c219816467f30cb4a6a65
```

```
$ git commit -a -m 'Resolved conflict'
```

```
$ git pull origin test_branch\
```