

```
Activities Terminal tpa 17 00:05 sheen@sheen-VirtualBox: ~/repo

sheen@sheen-VirtualBox:~/repo$ git commit -m "first commit"
[master (root-commit) 993ec76] first commit
1 file changed, 1 insertion(+)
create mode 100644 test.txt
sheen@sheen-VirtualBox:~/repo$ git branch -M main
sheen@sheen-VirtualBox:~/repo$ git remote add origin git@github.com:EvhenMarchuk/test.git
sheen@sheen-VirtualBox:~/repo$ git push -u origin main
Warning: Permanently added the ECDSA host key for IP address '140.82.121.3' to the list of known hosts.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 222 bytes | 222.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:EvhenMarchuk/test.git
* [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

## Результат підключення по SSH

```
sheen@sheen-VirtualBox: ~/repo

nothing to commit, working tree clean
sheen@sheen-VirtualBox:~/repo$ ls -a
. . . file.txt .git hotfile.txt test.txt text.txt
sheen@sheen-VirtualBox:~/repo$ git push origin main
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% (2/2), 361 bytes | 361.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0)
To github.com:EvhenMarchuk/test.git
ba47dd0..7d83980 main -> main
sheen@sheen-VirtualBox:~/repo$ echo "merge" >> test.txt
sheen@sheen-VirtualBox:~/repo$ cat test.txt
Test text
test branch2
merge
sheen@sheen-VirtualBox:~/repo$ git add .
sheen@sheen-VirtualBox:~/repo$ git commit -m "add a merge conflict line"
[main 066276e] add a merge conflict line
1 file changed, 1 insertion(+)
sheen@sheen-VirtualBox:~/repo$ git push origin main
To github.com:EvhenMarchuk/test.git
! [rejected]      main -> main (fetch first)
error: failed to push some refs to 'git@github.com:EvhenMarchuk/test.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.
sheen@sheen-VirtualBox:~/repo$ git pull origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 681 bytes | 681.00 KiB/s, done.
From github.com:EvhenMarchuk/test
* branch      main      -> FETCH_HEAD
7d83980..69cba19 main    -> origin/main
Auto-merging test.txt
CONFLICT (content): Merge conflict in test.txt
Automatic merge failed; fix conflicts and then commit the result.
```

## Конфлікт злиття

```
GNU nano 4.8
Test text
test branch2
<<<<<< HEAD
merge
=====
merge conflict
>>>>>> 69cba199fab67c9726462c93b7897bf183114e88
```

Вигляд файлу який викликав конфлікт злиття в редакторі NANO

```
sheen@sheen-VirtualBox:~/repo$ nano test.txt
sheen@sheen-VirtualBox:~/repo$ cat test.txt
Test text
test branch2
merge
merge conflict
sheen@sheen-VirtualBox:~/repo$
```

Результат виводу вмісту файла після усунення конфлікту злиття

Все інше баловство можна побачити в тестовому репозиторії по відповідних комітах, які я спеціально робив майже на кожному кроці:

<https://github.com/EvhenMarchuk/test/tree/main>