

```
studente@lap2-temp1:~$ cd Sc
Scaricati/ Scrivania/
studente@lap2-temp1:~$ cd Scrivania/
studente@lap2-temp1:~/Scrivania$ mkdir git
studente@lap2-temp1:~/Scrivania$ cd git
studente@lap2-temp1:~/Scrivania/git$ echo "test1" > test1.txt
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
```

Initial commit

Changes to be committed:

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

```
new file: ../../Documenti/4^IA/primaProvaQt/Prova/Prova.pro
new file: ../../Documenti/4^IA/primaProvaQt/Prova/main.cpp
new file: ../Nprimi/Nprimi.pro
new file: ../Nprimi/main.cpp
```

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

```
modified: ../../Documenti/4^IA/primaProvaQt/Prova/main.cpp
deleted: ../Nprimi/Nprimi.pro
deleted: ../Nprimi/main.cpp
```

Untracked files:

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

```
../../ICEauthority
../../Xauthority
../../android/
../../arduino/
../../bash_history
../../bash_logout
../../bashrc
../../cache/
../../codeblocks/
../../compiz/
../../config/
../../dmrc
../../gconf/
../../gitconfig
../../java/
../../local/
../../mozilla/
../../netbeans/
../../profile
../../thumbnails/
```

```
../.xsession-errors
../.xsession-errors.old
../Documenti/4^IA/primaProvaQt/Prova/Prova.pro.user
../Documenti/4^IA/primaProvaQt/build-Prova-Desktop-Debug/
../Documenti/Primo.c
../Documenti/Primo.c~
../Immagini/
../Nprimi/Nprimi.pro.user
../Untitled Document~
../es1~
../es3.sh~
./
../test.txt~
../.annoe/
../creazioneTriangolo.save
../es1.sh
../es1.sh~
../examples.desktop
../fileProva/
../myProject/
../provac/
../remoto.git/
../remoto/
../sketchbook/
../untitled.blend
```

```
studente@lap2-temp1:~/Scrivania/git$ git init
Initialized empty Git repository in /home/studente/Scrivania/git/.git/
studente@lap2-temp1:~/Scrivania/git$
On branch master
```

Initial commit

Untracked files:

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

test1.txt

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

```
studente@lap2-temp1:~/Scrivania/git$ git add test1.txt
studente@lap2-temp1:~/Scrivania/git$ git commit -m "primo commit ciao"
[master (root-commit) 76d770c] primo commit ciao
1 file changed, 1 insertion(+)
create mode 100644 test1.txt
studente@lap2-temp1:~/Scrivania/git$ git branch
* master
studente@lap2-temp1:~/Scrivania/git$ git branch new_branch
studente@lap2-temp1:~/Scrivania/git$
* master
  new_branch
studente@lap2-temp1:~/Scrivania/git$ git checkout new_branch
Switched to branch 'new_branch'
```

```
studente@lap2-temp1:~/Scrivania/git$ git branch
master
* new_branch
studente@lap2-temp1:~/Scrivania/git$ echo "test2" > test2.txt
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch new_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

test2.txt

```
nothing added to commit but untracked files present (use "git add" to track)
studente@lap2-temp1:~/Scrivania/git$ git add test2.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch new_branch
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

new file: test2.txt

```
studente@lap2-temp1:~/Scrivania/git$ git commit -m "primo commit nel branch new_branch"
[new_branch 5e634ec] primo commit nel branch new_branch
1 file changed, 1 insertion(+)
create mode 100644 test2.txt
studente@lap2-temp1:~/Scrivania/git$ git checkout master
Switched to branch 'master'
studente@lap2-temp1:~/Scrivania/git$ git branch
* master
  new_branch
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
nothing to commit, working directory clean
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt
studente@lap2-temp1:~/Scrivania/git$ git checkout new_branch
Switched to branch 'new_branch'
studente@lap2-temp1:~/Scrivania/git$ git checkout master
Switched to branch 'master'
studente@lap2-temp1:~/Scrivania/git$ git add test1.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
nothing to commit, working directory clean
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt
studente@lap2-temp1:~/Scrivania/git$ ls -al
total 16
drwxrwxr-x 3 studente studente 4096 set 27 08:52 .
drwxr-xr-x 4 studente studente 4096 set 27 08:39 ..
drwxrwxr-x 8 studente studente 4096 set 27 08:53 .git
-rw-rw-r-- 1 studente studente  6 set 27 08:39 test1.txt
```

```
studente@lap2-temp1:~/Scrivania/git$ git checkout new_branch
Switched to branch 'new_branch'
studente@lap2-temp1:~/Scrivania/git$ git status
On branch new_branch
nothing to commit, working directory clean
studente@lap2-temp1:~/Scrivania/git$ git checkout master
Switched to branch 'master'
studente@lap2-temp1:~/Scrivania/git$ git merge new_branch
Updating 76d770c..5e634ec
Fast-forward
 test2.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 test2.txt
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt
studente@lap2-temp1:~/Scrivania/git$ git log
commit 5e634ecefdee7db6afea8320e5414efced043c58
Author: Gianfranco <cipolla@cipolla.uk>
Date: Tue Sep 27 08:48:20 2016 +0200
```

primo commit nel branch new_branch

```
commit 76d770cfa5ac2fbf7f0236798c4878c6f84a9eb2
Author: Gianfranco <cipolla@cipolla.uk>
Date: Tue Sep 27 08:40:42 2016 +0200
```

primo commit ciao

```
studente@lap2-temp1:~/Scrivania/git$ git checkout new_branch
Switched to branch 'new_branch'
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt
studente@lap2-temp1:~/Scrivania/git$ git checkout master
Switched to branch 'master'
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt
```

```
studente@lap2-temp1:~/Scrivania/git$ cd ..
studente@lap2-temp1:~/Scrivania$ mkdir remoto.git
studente@lap2-temp1:~/Scrivania$ cd remoto.git/
studente@lap2-temp1:~/Scrivania/remoto.git$ git init --bare
Initialized empty Git repository in /home/studente/Scrivania/remoto.git/
studente@lap2-temp1:~/Scrivania/remoto.git$ ls
branches config description HEAD hooks info objects refs
studente@lap2-temp1:~/Scrivania/remoto.git$ cd ../git
studente@lap2-temp1:~/Scrivania/git$ git remote add origin ../remoto.git/
studente@lap2-temp1:~/Scrivania/git$ git remote -v
origin ../remoto.git/ (fetch)
origin ../remoto.git/ (push)
studente@lap2-temp1:~/Scrivania/git$ git branch
* master
  new_branch
studente@lap2-temp1:~/Scrivania/git$ man git branch
```

```
studente@lap2-temp1:~/Scrivania/git$ git remote -r
error: unknown switch `r'
usage: git remote [-v | --verbose]
    or: git remote add [-t <branch>] [-m <master>] [-f] [--tags|--no-tags] [--mirror=<fetch|push>]
    <name> <url>
    or: git remote rename <old> <new>
    or: git remote remove <name>
    or: git remote set-head <name> (-a | --auto | -d | --delete |<branch>)
    or: git remote [-v | --verbose] show [-n] <name>
    or: git remote prune [-n | --dry-run] <name>
    or: git remote [-v | --verbose] update [-p | --prune] [(<group> | <remote>)...]
    or: git remote set-branches [--add] <name> <branch>...
    or: git remote set-url [--push] <name> <newurl> [<oldurl>]
    or: git remote set-url --add <name> <newurl>
    or: git remote set-url --delete <name> <url>
```

-v, --verbose be verbose; must be placed before a subcommand

```
studente@lap2-temp1:~/Scrivania/git$ git branch -r
studente@lap2-temp1:~/Scrivania/git$ git branch -rd
fatal: branch name required
studente@lap2-temp1:~/Scrivania/git$ git push origin master
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 471 bytes | 0 bytes/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To ../remoto.git/
* [new branch]    master -> master
studente@lap2-temp1:~/Scrivania/git$ git branch -rd
fatal: branch name required
studente@lap2-temp1:~/Scrivania/git$ git branch -r
origin/master
studente@lap2-temp1:~/Scrivania/git$ cd ..
studente@lap2-temp1:~/Scrivania$ git clone remoto.git/
Cloning into 'remoto'...
done.
studente@lap2-temp1:~/Scrivania$ git remote -v
studente@lap2-temp1:~/Scrivania$ cd remoto
studente@lap2-temp1:~/Scrivania/remoto$ git remote -v
origin /home/studente/Scrivania/remoto.git/ (fetch)
origin /home/studente/Scrivania/remoto.git/ (push)
studente@lap2-temp1:~/Scrivania/remoto$ echo "primo file nella cartella remoto" > test3.txt
studente@lap2-temp1:~/Scrivania/remoto$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
```

Untracked files:

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

test3.txt

```

nothing added to commit but untracked files present (use "git add" to track)
studente@lap2-temp1:~/Scrivania/remoto$ git add test3.txt
studente@lap2-temp1:~/Scrivania/remoto$ git commit -m "primo commit nella directory remoto"
[master af51282] primo commit nella directory remoto
1 file changed, 1 insertion(+)
create mode 100644 test3.txt
studente@lap2-temp1:~/Scrivania/remoto$ git push origin
HEAD      master      origin/HEAD  origin/master
studente@lap2-temp1:~/Scrivania/remoto$ git push origin master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 337 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To /home/studente/Scrivania/remoto.git/
   5e634ec..af51282  master -> master
studente@lap2-temp1:~/Scrivania/remoto$ ls
test1.txt test2.txt test3.txt
studente@lap2-temp1:~/Scrivania/remoto$ cd ../git
studente@lap2-temp1:~/Scrivania/git$ git pull origin master
remote: Counting objects: 4, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
From ../remoto
* branch      master    -> FETCH_HEAD
   5e634ec..af51282  master    -> origin/master
Updating 5e634ec..af51282
Fast-forward
 test3.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 test3.txt
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt test3.txt
studente@lap2-temp1:~/Scrivania/git$ git log
commit af51282df0637c980b0b718a8c8d61f746a756a3
Author: Gianfranco <cipolla@cipolla.uk>
Date: Tue Sep 27 09:17:27 2016 +0200

```

primo commit nella directory remoto

```

commit 5e634ecefdee7db6afea8320e5414efced043c58
Author: Gianfranco <cipolla@cipolla.uk>
Date: Tue Sep 27 08:48:20 2016 +0200

```

primo commit nel branch new_branch

```

commit 76d770cfa5ac2fbf7f0236798c4878c6f84a9eb2
Author: Gianfranco <cipolla@cipolla.uk>
Date: Tue Sep 27 08:40:42 2016 +0200

```

primo commit ciao

```
studente@lap2-temp1:~/Scrivania/git$ echo "quarto file in git" > test4.txt
studente@lap2-temp1:~/Scrivania/git$ ls
test1.txt test2.txt test3.txt test4.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

test4.txt

```
nothing added to commit but untracked files present (use "git add" to track)
studente@lap2-temp1:~/Scrivania/git$ git add test4.txt
studente@lap2-temp1:~/Scrivania/git$ git staus
git: 'staus' is not a git command. See 'git --help'.
```

Did you mean this?

```
status
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

new file: test4.txt

```
studente@lap2-temp1:~/Scrivania/git$ git commit -m "questo è un altro commit ciaoooo"
[master 92afe9c] questo è un altro commit ciaoooo
1 file changed, 1 insertion(+)
create mode 100644 test4.txt
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
nothing to commit, working directory clean
studente@lap2-temp1:~/Scrivania/git$ git push origin master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 302 bytes | 0 bytes/s, done.
Total 3 (delta 1), reused 0 (delta 0)
To ../remoto.git/
   af51282..92afe9c master -> master
studente@lap2-temp1:~/Scrivania/git$ git pull origin master
From ../remoto
 * branch      master    -> FETCH_HEAD
Already up-to-date.
studente@lap2-temp1:~/Scrivania/git$ git status
On branch master
nothing to commit, working directory clean
```