

# PRACTICE SEESION

## git init

```
ranjitha@ip-10-0-11-48:~/git$ git init .
hint: Using 'master' as the name for the initial branch. This default
hint: is subject to change. To configure the initial branch name to use
hint: of your new repositories, which will suppress this warning, call
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this c
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ranjitha/git/.git/
ranjitha@ip-10-0-11-48:~/git$ ll
total 12
drwxrwxr-x  3 ranjitha ranjitha 4096 Oct 21 17:49 ./
drwx----- 11 ranjitha ranjitha 4096 Oct 21 17:43 ../
drwxrwxr-x  7 ranjitha ranjitha 4096 Oct 21 17:49 .git/
-rw-rw-r--  1 ranjitha ranjitha    0 Oct 21 17:44 1
-rw-rw-r--  1 ranjitha ranjitha    0 Oct 21 17:44 2
-rw-rw-r--  1 ranjitha ranjitha    0 Oct 21 17:44 file
-rw-rw-r--  1 ranjitha ranjitha    0 Oct 21 17:48 file1
-rw-rw-r--  1 ranjitha ranjitha    0 Oct 21 17:48 file2
ranjitha@ip-10-0-11-48:~/git$ ll .git
total 40
drwxrwxr-x 7 ranjitha ranjitha 4096 Oct 21 17:49 ./
drwxrwxr-x 3 ranjitha ranjitha 4096 Oct 21 17:49 ../
-rw-rw-r-- 1 ranjitha ranjitha   23 Oct 21 17:49 HEAD
drwxrwxr-x 2 ranjitha ranjitha 4096 Oct 21 17:49 branches/
-rw-rw-r-- 1 ranjitha ranjitha   92 Oct 21 17:49 config
-rw-rw-r-- 1 ranjitha ranjitha   73 Oct 21 17:49 description
drwxrwxr-x 2 ranjitha ranjitha 4096 Oct 21 17:49 hooks/
drwxrwxr-x 2 ranjitha ranjitha 4096 Oct 21 17:49 info/
drwxrwxr-x 4 ranjitha ranjitha 4096 Oct 21 17:49 objects/
drwxrwxr-x 4 ranjitha ranjitha 4096 Oct 21 17:49 refs/
```

## git clone

```
logi@Timesyslaptop: ~/ranjitha/practice_session
logi@Timesyslaptop: ~/ranjitha$
logi@Timesyslaptop: ~/ranjitha$ mkdir practice_session
logi@Timesyslaptop: ~/ranjitha$ cd practice_session/
logi@Timesyslaptop: ~/ranjitha/practice_session$ git clone git@github.com:Ranjitha75388/ranji
tha_assesment.git
Cloning into 'ranjitha_assesment'...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 11 (delta 2), reused 11 (delta 2), pack-reused 0 (from 0)
Receiving objects: 100% (11/11), 36.35 KiB | 9.09 MiB/s, done.
Resolving deltas: 100% (2/2), done.
logi@Timesyslaptop: ~/ranjitha/practice_session$
logi@Timesyslaptop: ~/ranjitha/practice_session$ ls
ranjitha_assesment
logi@Timesyslaptop: ~/ranjitha/practice_session$
```

## git branch, git checkout, git add, git commit

```
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git checkout -b practice_branch
Switched to a new branch 'practice_branch'
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git branch
  master
* practice_branch
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ echo "Test file" > testingfile
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ cat testingfile
Test file
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git add testingfile
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git commit -m "Testing file added"
[practice_branch bfef970] Testing file added
 1 file changed, 1 insertion(+)
 create mode 100644 testingfile
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$
```

## git status , git log

```
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment
logi@Timesyslaptop:~/ranjitha/practice_session$ cd ranjitha_assesment/
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$ git log
commit 9e94ba0c6578f48c1a51aad6d0883127997cf38e (HEAD -> master, origin/master, origin/HEAD)
Author: ranjitha <ranjitha@jumisa.io>
Date:   Fri Oct 25 10:56:19 2024 +0530

    git assesment2 updated

commit 8acd6823fee7754186500a1fa845ddda64b276c1
Author: ranjitha <ranjitha@jumisa.io>
Date:   Thu Oct 24 13:19:29 2024 +0530

    Updated shellscript assesment

commit aeafa5f1fbd1e97dbd6276c977fcd300816116084
Author: ranjitha <ranjitha@jumisa.io>
Date:   Wed Oct 23 12:35:40 2024 +0530

    my assesment
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$
```

## git revert

```
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$ git revert bfe97045d76a66ff0fb173692986b9eb029df92
[practice_branch 09b7561] Revert "Testing file added"
1 file changed, 1 deletion(-)
delete mode 100644 testingfile
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$ git log
commit 09b75610af1aaa98f90cff9c80f382a2a679711c (HEAD -> practice_branch)
Author: ranjitha <ranjitha@jumisa.io>
Date:   Sat Oct 26 11:32:56 2024 +0530

    Revert "Testing file added"

    This reverts commit bfe97045d76a66ff0fb173692986b9eb029df92.

commit bfe97045d76a66ff0fb173692986b9eb029df92
Author: ranjitha <ranjitha@jumisa.io>
Date:   Sat Oct 26 11:31:14 2024 +0530

    Testing file added

commit 9e94ba0c6578f48c1a51aad6d0883127997cf38e (origin/master, origin/HEAD, master)
Author: ranjitha <ranjitha@jumisa.io>
Date:   Fri Oct 25 10:56:19 2024 +0530

    git assesment2 updated

commit 8acd6823fee7754186500a1fa845ddda64b276c1
Author: ranjitha <ranjitha@jumisa.io>
Date:   Thu Oct 24 13:19:29 2024 +0530

logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$
```

## git reset

```
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git reset --hard HEAD^
HEAD is now at 09b7561 Revert "Testing file added"
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git log
commit 09b75610af1aaa98f98c80f382a2a679711c (HEAD -> practice_branch)
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 11:32:56 2024 +0530

    Revert "Testing file added"

    This reverts commit bfef97045d76a66ff0fb173692986b9eb029df92.

commit bfef97045d76a66ff0fb173692986b9eb029df92
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 11:31:14 2024 +0530

    Testing file added

commit 9e94ba0c6578f48c1a51aad6d0883127997cf38e (origin/master, origin/HEAD, master)
Author: ranjitha <ranjitha@jumisa.io>
Date: Fri Oct 25 10:56:19 2024 +0530

    git assesment2 updated

commit 8acd6823fee7754186500a1fa845ddda64b276c1
Author: ranjitha <ranjitha@jumisa.io>
Date: Thu Oct 24 13:19:29 2024 +0530

    Updated shellscrip assesment

commit ae5a5f1fbd1e97dbd6276c977fcd300816116084
Author: ranjitha <ranjitha@jumisa.io>
Date: Wed Oct 23 12:35:40 2024 +0530

    my assesment
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$
```

## git merge

```
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git branch
* master
* practice_branch
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 2 commits.
(use "git push" to publish your local commits)
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git merge practice_branch
Merge made by the 'ort' strategy.
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git branch
* master
* practice_branch
logi@Timesyslaptop: ~/ranjitha/practice_session/ranjitha_assesment$ git log
commit 395d186e942acde87f691d762074860715eec079 (HEAD -> master)
Merge: 810c285 c2a17cb
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:17:29 2024 +0530

    Merge branch 'practice_branch'

commit 810c285f4a5f0c1eed396e156f80a7bcc0fedd96
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:16:07 2024 +0530

    Additional file changes

commit c2a17cb68b93755f7d3f94a6e29423933e29afed (practice_branch)
Author: ranjitha <ranjitha@jumisa.io>
commit 395d186e942acde87f691d762074860715eec079 (HEAD -> master)
Merge: 810c285 c2a17cb
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:17:29 2024 +0530

    Merge branch 'practice_branch'

commit 810c285f4a5f0c1eed396e156f80a7bcc0fedd96
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:16:07 2024 +0530

    Additional file changes
```



## git cherry-pick

```
logi@Timesyslaptop: ~/ranjitha_assesment
logi@Timesyslaptop: ~/ranjitha_assesment$ git cherry-pick b9c369bb60f74960fea4ae7db00b75681081e7b9
[master a693891] Rangi commit
Date: Sat Oct 26 14:25:48 2024 +0530
1 file changed, 1 insertion(+)
create mode 100644 rangi.txt
logi@Timesyslaptop:~/ranjitha/practice_session/ranjitha_assesment$ git log
commit a6938918d9e69a8071e991ced705cafd90a0b902 (HEAD -> master)
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:25:48 2024 +0530

    Rangi commit

commit 395d186e942acde87f691d762074860715eec079
Merge: 810c285 c2a17cb
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:17:29 2024 +0530

    Merge branch 'practice_branch'

commit 810c285f4a5f0c1eed396e156f80a7bcc0fedd96
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 14:16:07 2024 +0530

    Additional file changes

commit c2a17cb68b93755f7d3f94a6e29423933e29afed
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 11:45:35 2024 +0530

    file updated

commit 09b75610af1aaa98f98cff9c80f382a2a679711c
Author: ranjitha <ranjitha@jumisa.io>
Date: Sat Oct 26 11:32:56 2024 +0530

    Revert "Testing file added"
```

## git remote, git push

```
logi@Timesyslaptop:~/ranjitha$ git remote add origin git@github.com:Ranjitha75388/Ranjitha75388.git
logi@Timesyslaptop:~/ranjitha$ git push origin creation
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (13/13), 1017 bytes | 203.00 KiB/s, done.
Total 13 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Ranjitha75388/Ranjitha75388.git
 * [new branch]      creation -> creation
```