# Git command and their ouputs

## 1. Initialize git

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git init
Initialized empty Git repository in /home/beryl/Desktop/nitin/git_pratice/.git/
```

## 2. Create Directory and add into staging area

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        scripts/

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   scripts/error_report.sh
        new file:   scripts/firsh.sh
        new file:   scripts/gts.sh
        new file:   scripts/ifelse.sh
        new file:   scripts/nsp.sh
        new file:   scripts/sim.sh
        new file:   scripts/simple_game.sh
        new file:   scripts/text.sh
```

## 3. Commit "initial commit"

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -m "initial commit"
[master (root-commit) 3178257] initial commit
 8 files changed, 128 insertions(+)
 create mode 100755 scripts/error_report.sh
 create mode 100755 scripts/firsh.sh
 create mode 100755 scripts/gts.sh
 create mode 100755 scripts/ifelse.sh
 create mode 100755 scripts/nsp.sh
 create mode 100755 scripts/sim.sh
 create mode 100755 scripts/simple_game.sh
 create mode 100755 scripts/text.sh
```

## 4. Check the log

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 3178257e16f5301208925e7c86b50acce9919d6a (HEAD -> main)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:    Thu Feb 12 12:02:54 2026 +0530

    initial commit
```

## 5. Check if working directory is connected with main repo.

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote -v
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote add origin git@github.com:NitinBhadana05/Pratice_repo_feb12.git
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote -v
origin  git@github.com:NitinBhadana05/Pratice_repo_feb12.git (fetch)
origin  git@github.com:NitinBhadana05/Pratice_repo_feb12.git (push)
```

## 6. Then push all the files into main Repo.

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote -v
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote add origin git@github.com:NitinBhadana05/Pratice_repo_feb12.git
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git remote -v
origin  git@github.com:NitinBhadana05/Pratice_repo_feb12.git (fetch)
origin  git@github.com:NitinBhadana05/Pratice_repo_feb12.git (push)
```

## 7. Create a temporary directory and add in staging area, commit and push into repo.

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ mkdir Temp
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ cd Temp
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/Temp$ touch .gitkeep
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/Temp$ cd ..
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Temp/

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add Temp/
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -m "uploding a temporary directo
[main cf1635d] uploding a temporary directory
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Temp/.gitkeep
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 329 bytes | 329.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To github.com:NitinBhadana05/Pratice_repo_feb12.git
   3178257..cf1635d  main -> main
```

## 8. Removing the Temp  dir from main Repo

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git rm -r Temp/
rm 'Temp/.gitkeep'
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git staus
git: 'staus' is not a git command. See 'git --help'.

The most similar command is
        status
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    Temp/.gitkeep
```

## 9. Modify a single file and add, commit and push it into Repo.

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ nano text.sh
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   text.sh

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git diff
diff --git a/scripts/text.sh b/scripts/text.sh
index d397086..a7e95df 100755
--- a/scripts/text.sh
+++ b/scripts/text.sh
@@ -3,3 +3,5 @@
 echo "Hello"
 echo "Today is:"
 date
+
+echo "This is test Editing"
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git commit -m "Single file change commit"
[main 5feb9ce] Single file change commit
 1 file changed, 2 insertions(+)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 374 bytes | 374.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:NitinBhadana05/Pratice_repo_feb12.git
   04e264d..5feb9ce  main -> main
```

## 10.     Modify multiple files and commit into Repo.

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ nano sim
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ nano sim.sh
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ nano firsh.sh
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   firsh.sh
        modified:   text.sh

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git commit -m "multifile changes in single commit"
[main 6175b4f] multifile changes in single commit
 2 files changed, 5 insertions(+), 1 deletion(-)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice/scripts$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 507 bytes | 507.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:NitinBhadana05/Pratice_repo_feb12.git
   5feb9ce..6175b4f  main -> main
```

## 11.    Switch to new branch and add new file and check log

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git switch -c new_branch
Switched to a new branch 'new_branch'
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git branch
  main
* new_branch
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch new_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -m "this commit is done in new branch"
[new_branch 7805f99] this commit is done in new branch
 1 file changed, 4 insertions(+)
 create mode 100644 test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 7805f99df8c4fd34f04d1632ddbdce984f563d2f (HEAD -> new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:25:39 2026 +0530

    this commit is done in new branch

commit 6175b4f08884c7720cb088849b357b66aff69d1b (origin/main, main)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:22:32 2026 +0530

    multifile changes in single commit

commit 5feb9ceddea195a439526df124244c269f0ac826
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:18:23 2026 +0530

    Single file change commit

commit 04e264d5e03e8a931642c9bc8c45d6439ad86ec0
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:13:51 2026 +0530

    removing temporary dir
```

## 12.    Merger both branches

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git merge new_branch
Updating 6175b4f..7805f99
Fast-forward
 test.txt | 4 ++++
 1 file changed, 4 insertions(+)
 create mode 100644 test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 7805f99df8c4fd34f04d1632ddbdce984f563d2f (HEAD -> main, new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:25:39 2026 +0530

    this commit is done in new branch

commit 6175b4f08884c7720cb088849b357b66aff69d1b (origin/main)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:22:32 2026 +0530

    multifile changes in single commit

commit 5feb9ceddea195a439526df124244c269f0ac826
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:18:23 2026 +0530
```

## 13.    Crate a merge conflict

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   test.txt

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -m "this is created for merge conflicton"
[main 5dca70a] this is created for merge conflicton
 1 file changed, 4 insertions(+)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 5dca70a04205dcc7c0c22be2a9dae49557bb16a8 (HEAD -> main)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:34:50 2026 +0530

    this is created for merge conflicton

commit 7805f99df8c4fd34f04d1632ddbdce984f563d2f (origin/main, new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:25:39 2026 +0530

    this commit is done in new branch

commit 6175b4f08884c7720cb088849b357b66aff69d1b
```

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   test.txt

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -m "this is created for merge conflicton"
[main 5dca70a] this is created for merge conflicton
 1 file changed, 4 insertions(+)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 5dca70a04205dcc7c0c22be2a9dae49557bb16a8 (HEAD -> main)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:34:50 2026 +0530

    this is created for merge conflicton

commit 7805f99df8c4fd34f04d1632ddbdce984f563d2f (origin/main, new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:25:39 2026 +0530

    this commit is done in new branch

commit 6175b4f08884c7720cb088849b357b66aff69d1b
```

## 14.    Conflict occur when merging

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git merge new_branch
Auto-merging test.txt
CONFLICT (content): Merge conflict in test.txt
Automatic merge failed; fix conflicts and then commit the result.
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)
```

## 15.    Resolving the conflict

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   test.txt

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        modified:   test.txt
```

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   test.txt

no changes added to commit (use "git add" and/or "git commit -a")
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano test.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git add .
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        modified:   test.txt
```

## 16.      Create new branch add new file

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git switch -c third_branch
Switched to a new branch 'third_branch'
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano third.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch third_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        third.txt

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -am "add file from third branch"
On branch third_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        third.txt

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git staus
git: 'staus' is not a git command. See 'git --help'.

The most similar command is
        status
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 4837bb4f270fa18c70de9924977505a63f5a623f (HEAD -> third_branch, origin/new_branch, new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 13:02:20 2026 +0530

    add new file from new branch

commit 2f049cf1a8b3b79c7181c666912d8e3e48182954
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:44:51 2026 +0530

    commit for merger conflict

commit 2621cd7232d65ebf8a484ffd6796db82ced78508
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:41:19 2026 +0530

    Revert "this is created for merge conflicton from new branch"

    This reverts commit 88db4ee8c8fe14dd297ff8d3fbdd888bb5750f2e.
```

## 17.    Push all files into Repo

```
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git switch -c third_branch
Switched to a new branch 'third_branch'
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ nano third.txt
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git status
On branch third_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        third.txt

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git commit -am "add file from third branch"
On branch third_branch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        third.txt

nothing added to commit but untracked files present (use "git add" to track)
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git staus
git: 'staus' is not a git command. See 'git --help'.

The most similar command is
        status
beryl@beryl-Nitro-AN515-55:~/Desktop/nitin/git_pratice$ git log
commit 4837bb4f270fa18c70de9924977505a63f5a623f (HEAD -> third_branch, origin/new_branch, new_branch)
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 13:02:20 2026 +0530

    add new file from new branch

commit 2f049cf1a8b3b79c7181c666912d8e3e48182954
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:44:51 2026 +0530

    commit for merger conflict

commit 2621cd7232d65ebf8a484ffd6796db82ced78508
Author: Nitin Bhadana <iamnitin931@gamil.com>
Date:   Thu Feb 12 12:41:19 2026 +0530

    Revert "this is created for merge conflicton from new branch"

    This reverts commit 88db4ee8c8fe14dd297ff8d3fbdd888bb5750f2e.
```