

# Git Commands

```
nipun@LAPTOP-1HNTD447: ~/sample_git_proj
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git init
Initialized empty Git repository in /home/nipun/sample_git_proj/.git/
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ touch test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ ls
test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status
On branch master

No commits yet

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)
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git test.txt
git: 'test.txt' is not a git command. See 'git --help'.
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git add test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git commit -m "Initial project"

*** Please tell me who you are.

Run
```

```
nipun@LAPTOP-1HNTD447: ~/sample_git_proj

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <nipun@LAPTOP-1HNTD447.localdomain>) not allowed
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git config --global user.email "nipunanoob@gmail.com"
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git config --global user.name "nipun"
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git commit -m "Initial project"
[master (root-commit) 4915571] Initial project
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ ls
test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git config user.name
nipun
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git clone https://github.com/libgit2/libgit2
Cloning into 'libgit2'...
remote: Enumerating objects: 114683, done.
remote: Counting objects: 100% (114683/114683), done.
remote: Compressing objects: 100% (31719/31719), done.
remote: Total 114683 (delta 81169), reused 114483 (delta 80989), pack-reused 0
Receiving objects: 100% (114683/114683), 57.39 MiB | 9.32 MiB/s, done.
Resolving deltas: 100% (81169/81169), done.
nipun@LAPTOP-1HNTD447:~/sample_git_proj$
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nipun@LAPTOP-1HNTD447: ~/sample_git_proj
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ ls
libgit2  test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        libgit2/

nothing added to commit but untracked files present (use "git add" to track)
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ rm -rf libgit2
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status
On branch master
nothing to commit, working tree clean
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ touch new
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ touch modify
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git add .
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   modify
        new file:   new

nipun@LAPTOP-1HNTD447:~/sample_git_proj$ echo "modified file" > modify
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status -s
AM modify
A new
nipun@LAPTOP-1HNTD447:~/sample_git_proj$

```

```

nipun@LAPTOP-1HNTD447: ~/sample_git_proj/ticgit
A new
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git commit -m "Add 2 files"
[master 068e91d] Add 2 files
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 modify
create mode 100644 new
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git status -s
M modify
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ ls
modify new test.txt
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ git clone https://github.com/schacon/ticgit
Cloning into 'ticgit'...
remote: Enumerating objects: 1857, done.
remote: Total 1857 (delta 0), reused 0 (delta 0), pack-reused 1857
Receiving objects: 100% (1857/1857), 334.06 KiB | 2.39 MiB/s, done.
Resolving deltas: 100% (837/837), done.
nipun@LAPTOP-1HNTD447:~/sample_git_proj$ cd ticgit
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote
origin
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote -v
origin https://github.com/schacon/ticgit (fetch)
origin https://github.com/schacon/ticgit (push)
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ ls
LICENSE_GPL LICENSE_MIT README.mkd Rakefile TODO bin examples lib note spec ticgit-ng.gemspec
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote add pb https://github.com/paulboone/ticgit
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote
origin
pb
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$

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nipun@LAPTOP-1HNTD447: ~/sample_git_proj/ticgit
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git fetch pb
remote: Enumerating objects: 43, done.
remote: Counting objects: 100% (22/22), done.
remote: Total 43 (delta 22), reused 22 (delta 22), pack-reused 21
Unpacking objects: 100% (43/43), 5.99 KiB | 613.00 KiB/s, done.
From https://github.com/paulboone/ticgit
 * [new branch]      master    -> pb/master
 * [new branch]      ticgit    -> pb/ticgit
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git fetch master
fatal: 'master' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote
origin
pb
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git remote show origin
* remote origin
  Fetch URL: https://github.com/schacon/ticgit
  Push URL:  https://github.com/schacon/ticgit
  HEAD branch: master
  Remote branches:
    master tracked
    ticgit tracked
  Local branch configured for 'git pull':
    master merges with remote master
  Local ref configured for 'git push':
    master pushes to master (up to date)
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$
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nipun@LAPTOP-1HNTD447: ~/sample_git_proj/ticgit
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git branch
* master
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git checkout clone
error: pathspec 'clone' did not match any file(s) known to git
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git branch clone
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git branch
clone
* master
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git checkout clone
Switched to branch 'clone'
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git merge master
Already up to date.
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git push origin
fatal: The current branch clone has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin clone

nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git branch master
fatal: A branch named 'master' already exists.
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$ git push origin
Username for 'https://github.com': ^C
nipun@LAPTOP-1HNTD447:~/sample_git_proj/ticgit$
```