

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop
$ mkdir gitCommands
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop
$ cd gitCommands/
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands
$ git init
Initialized empty Git repository in C:/Users/abdul/Desktop/gitCommands/.git/
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git clone ^-^https://github.com/khaannz/gitCommands.git
Cloning into 'gitCommands'...
fatal: protocol '^-^https' is not supported
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ ls
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git clone https://github.com/khaannz/gitCommands.git
Cloning into 'gitCommands'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git status
On branch master
```

No commits yet

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

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

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ cd gitCommands/
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ ls -a
./ ../ .git/ README.md filename.txt
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ 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)
  filename.txt
```

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

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git add filename.txt
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git commit -m "first commit"
[main e9862f7] first commit
1 file changed, 1 insertion(+)
create mode 100644 filename.txt
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git push origin
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 357 bytes | 357.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/khaannz/gitCommands.git
72f0d73..e9862f7 main -> main
```

-----branching-----

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git branch -a
* master
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git branch child
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git branch -a
child
* master
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git branch -d
fatal: branch name required
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands (master)
$ git branch -d child
Deleted branch child (was e097ff1).
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
```

```
$ git status
On branch main
Your branch is up to date with 'origin/main'.
```

```
nothing to commit, working tree clean
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git checkout parent
error: pathspec 'parent' did not match any file(s) known to git
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git branch
* main
  master
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git branch parent
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git checkout -b parent
fatal: A branch named 'parent' already exists.
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (main)
$ git checkout parent
Switched to branch 'parent'
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git merge main
Already up to date.
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git status
On branch parent
nothing to commit, working tree clean
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git checkout -- filename.txt
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git merge
fatal: No remote for the current branch.
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git merge parent main
Already up to date.
```

-----inspection and comparision-----

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git log
commit e9862f7eccf0d1ca046f1a167808259029267df2 (HEAD -> parent, origin/main, origin/HEAD, main)
Author: Muneer Khan <90441105+khaannz@users.noreply.github.com>
Date: Mon Mar 21 10:12:04 2022 +0530
```

first commit

```
commit 72f0d73706a3bf0a66f128a11acceafe38e9bd7
Author: Muneer Khan <90441105+khaannz@users.noreply.github.com>
Date: Mon Mar 21 09:47:55 2022 +0530
```

Initial commit

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git log --summary
commit e9862f7eccf0d1ca046f1a167808259029267df2 (HEAD -> parent, origin/main, origin/HEAD, main)
Author: Muneer Khan <90441105+khaannz@users.noreply.github.com>
Date: Mon Mar 21 10:12:04 2022 +0530
```

first commit

```
create mode 100644 filename.txt
```

```
commit 72f0d73706a3bf0a66f128a11acceafe38e9bd7
Author: Muneer Khan <90441105+khaannz@users.noreply.github.com>
Date: Mon Mar 21 09:47:55 2022 +0530
```

Initial commit

```
create mode 100644 README.md
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git log --oneline
e9862f7 (HEAD -> parent, origin/main, origin/HEAD, main) first commit
72f0d73 Initial commit
```

```
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$ git diff parent main
# no changes so no output
abdul@LAPTOP-9VO3S133 MINGW64 ~/Desktop/gitCommands/gitCommands (parent)
$
```