# git push --all origin

Push all the branches to the remote repository.

### git checkout <filename>

- △ If you had changed one file and have not committed yet, then running this command will erase everything you updated and make it same as the last committed version.
- △ It doesn't effect any untracked file. (as git doesn't know about this file)
- △ If you have already staged the file (using git add) then you are executing this command, then it doesn't effect this as the changes are already staged.
- Hence, if the file is not untracked & the changes are unstaged, then only the git checkout <filename> will reset this file to the last commit version.

### **▶** git restore <filename>

- Same as git checkout <filename>.
- But it is recommended to use instead of git checkout <filename>.
- git checkout should be used for switching among the branches only.
- △ It has some additional features like you can rollback to a specific commit in the past.

#### -- --source=<commit>

```
w64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
nothing to commit, working tree clean
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
osdfaf
 ir1/ dir2/ test.txt test2.txt
  lkhfas'fas
;hhlhfasf
ahfhffas
1safih
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) echo "some some" > test.txt
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_g
git status
n branch main
nanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
o changes added to commit (use "git add" and/or "git commit -a")
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt
 lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) git restore test.txt
  okr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
  git status
branch main
thing to commit, working tree clean
  okr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt saffaf
  lkhfas'fas;hhlhfasf
```

- git restore --staged <filename>: It unstaged the file from staging area.
  - Let the file is already committed, now you have changed (added or deleted) some lines in side the file, and staged it (git add command). Now you are using this command git restore --staged <filename>, it'll only unstage the current updation (means the added/deleted lines) as it the file was pushed to tracking stage(git add) in the previous commit.

#### Ex:

- The file is committed.
- Now changed come lines. And executed *git add*.
- 0 Now executed git restore --staged <filename>
- 0 Now the changed in side the fill will be there, but unstaged.
- Now execute *git restore* < *filename*>
- Now the changes done in this file will be no more.

```
othing to commit, working tree clean
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt
nything
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) echo "some some" > test.txt
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
git add .
urning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches in
okreAlok MINGM64 /c/myTiles/procect and docs/devo
git status
n branch main
nanges to be committed:
(use "git restore --staged <file>..." to unstage)
modified: test.txt
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) git restore test.txt
  areAlok MINGWO9 / 5/my
it status
branch main
nges to be committed:
use "git restore --staged <file>..." to unstage)
modified: test.txt
lokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt
okr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) git restore --staged test.txt
 okr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
okrea/lok Mirkowed /c/my/fres/process
pranch main
nanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
 changes added to commit (use "git add" and/or "git commit -a")
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
cat test.txt
lokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) git restore test.txt
okr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) cat test.txt
othing to commit, working tree clean
```

## > git diff

△ It shows the differences between *working directory* and *staging area*.

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch main
nothing to commit, working tree clean
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ ls
dir1/ dir2/ test.txt test2.txt
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) $ echo "some some hola hola" > test.txt
  llokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 § git status
  n branch main
On branch 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")
                        MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
a low mandamon regarder resolutions of the state of the s
 --- a/test.txt
+++ b/test.txt
  some some hola hola
  clokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 .lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch 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")
  clokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it diff --git a/test.txt b/test.txt index lba4650..9b2dba4 100644
 --- a/test.txt
+++ b/test.txt
alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ it'll not show about the test3.txt as it was not in the staged area.
```

## > git diff -- cached

△ It shows the difference between *staging area* and *last commit (HEAD)*.

## git revert and git stash:

Let you created one file test.txt, insert some texts i.e. "Hello", staged it, committed it and pushed it to main branch.

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ echo "Hello" > dirl/test.txt

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git add .

warning: in the working copy of 'dirl/test.txt', LF will be replaced by CRLF the
gi
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git commit -m "created dirl/test.txt"
[main 9ad4ec9] created dirl/test.txt
1 file changed, 1 insertion(+)
create mode 100644 dirl/test.txt

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 363 bytes | 363.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Alok905/test_git.git
a878090..9ad4ec9 main -> main

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dirl/test.txt
Hello
```

- Now let you appended one more line i.e. "bye" inside that test.txt file. (now content is:  $Hello \mid nBye$ )
- Now you executed the command: *git revert HEAD. It'll give some error saying..*

```
MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 $ git add
warning: in the working copy of 'dir1/test.txt', LF will be replaced by CRLF the
  lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch main
 Changes to be committed:
(use "git restore --staged <file>..." to unstage)
             modified:
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) $ git commit -m "added one more line" [main b6b81e7] added one more line
 1 file changed, 1 insertion(+)
  lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 $ git push origin main
$ git push origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 364 bytes | 364.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Alok905/test_git.git
9ad4ec9..b6b81e7 main -> main
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
b6b81e7 (HEAD -> ma
                            main, origin/main) added one more line
 Pad4ec9 created dir1/test.txt
a878090 did
 e6ff520 Reapply "undoing test.txt"
De464c6 Revert "test.txt created"
 ac4b8b test.txt created
 eabc214 test.txt deleted
Lc00548 Revert "checkinf
                                          revert"
 1636705 test.txt created
048127d commit done
1074b29 Reapply "commit 1: new cmt"
10758be8 Revert "commit 1: Sm chng hd bn dn bt i dnt wnt amr"
100142a commit 1
 7293f76 some changes
e46b729 changd
 e5b6d9 (origin/sprintl, sprintl) dir deleted and dir2 created
.7e6097 some test files have been created.
```

- I'll undo this commit afterwards (bcs If I would undo the previous commit then the file would have been deleted)
- I appended a new line to the file and staged it.

```
MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dir1/test.txt
Hello
Bye
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ echo "Hola Hola" >> dir1/test.txt
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dir1/test.txt
Hello
Bye
Hola Hola
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git add .
warning: in the working copy of 'dir1/test.txt', LF will be replaced by CRLF the
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch main
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
```

I appended one more line to the file "Bola Bola" but didn't stage it.

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ echo "Bolaa Bolaa" >> dir1/test.txt

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dir1/test.txt
Hello
Bye
Hola Hola
Bolaa Bolaa

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch main
Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
        modified: dir1/test.txt

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: dir1/test.txt
```

Now If I do git revert HEAD it'll give error.

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)

§ git log --oneline
b6b81e7 (HEAD -> main, origin/main) added one more line
9ad4ec9 created dirl/test.txt
a878090 did
e6ff520 Reapply "undoing test.txt"
9e464c6 Revert "test.txt created"
9ac4b8b test.txt created
eabc214 test.txt deleted
1c00548 Revert "checkinf revert"
4636705 test.txt created
048127d commit done
c074b29 Reapply "commit 1: new cmt"
e758be8 Revert "commit 1: Sm chng hd bn dn bt i dnt wnt amr"
a00142a commit 1
7293f76 some changes
e46b729 changd
7e5b6d9 (origin/sprint1, sprint1) dir deleted and dir2 created
17e6097 some test files have been created.

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
§ git revert HEAD
error: your local changes would be overwritten by revert.
hint: commit your changes or stash them to proceed.
```

- △ You need to *stash* it now.
  - Stash means the changes that have been done (both staged & unstaged) will be saved in a stash stack so that the working directory will be clean.

```
alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)

$ git stash list

alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)

$ git stash

Saved working directory and index state WIP on main: b6b81e7 added one more line

alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)

$ git status

On branch main

Untracked files:

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

dirl.test.txt

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

alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)

$ git stash list

stash@{0}: WIP on main: b6b81e7 added one more line
```

△ Now you can revert it.

```
/c/myfiles/procect and docs/devops_udemy/section_5_git
git revert HEAD
Revert "TRYING TO COMMIT AFTER STASH"
This reverts commit b6b81e76100c90d3a3e58a912b6a794688fe7f9a.
  Changes to be committed:
           modified:
  Untracked files:
[main b7c1161] Revert "TRYING TO COMMIT AFTER STASH"
 1 file changed, 1 deletion(-)
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dir1/test.txt
Hello
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
o7c1161 (HEAD -> main) Revert "TRYING TO COMMIT AFTER STASH"
b6b81e7 (origin/main) added one more line
9ad4ec9 created dir1/test.txt
a878090 did
e6ff520 Reapply "undoing test.txt"
9e464c6 Revert "test.txt created"
9ac4b8b test.txt created
eabc214 test.txt deleted
1c00548 Revert "checkinf revert"
1c00548 Revert checking
4636705 test.txt created
048127d commit done
c074b29 Reapply "commit 1: new cmt"
e758be8 Revert "commit 1: Sm chng hd bn dn bt i dnt wnt amr".
 293f76 some changes
```

The last commit was previously b6b81e7, which was for added the line "Bye". Now the latst commit is b7c1161 which deleted that line "Bye". Only "Hello" is there.

7e5b6d9 (origin/sprint1, sprint1) dir deleted and dir2 created L7e6097 some test files have been created.

Now, to get the *stashed* changes, you need to execute *git stash pop* 

46b729 changd

```
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
 git stash pop
Auto-merging dir1/test.txt
CONFLICT (content): Merge conflict in dir1/test.txt
On branch main
Unmerged paths:

(use "git restore --staged <file>..." to unstage)

(use "git add <file>..." to mark resolution)

both modified: dirl/test.txt
Untracked files:
         git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
The stash entry is kept in case you need it again.
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
on branch main
Unmerged paths:

(use "git restore --staged <file>..." to unstage)

(use "git add <file>..." to mark resolution)

both modified: dirl/test.txt
Untracked files:
  (use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
 llokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat dir1/test.txt
<<<<< Updated upstream
Hola Hola
>>>>> Stashed changes
```

## git reset

- Unlike git stash this command i.e. git reset doesn't create another commit.
- △ It means, let you have 4 commits: c1, c2, c3, c4 and you want to go back to commit c1.
- Then it doesn't create any other commit c5 and roll back to c1, it'll delete c2, c3, c4 and go to c1.

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
bc57887b (HEAD -> main) Revert "prev commit of deleting files"
5edalla (origin/main) created def.txt, def2.txt
1684871 Created some files abc.txt, abcl.txt
335433 abcd
446467
3726466 Revert "aa"
84840bbd2 aa
0ad0909 done
b7c1161 Revert "TRYING TO COMMIT AFTER STASH"
1688187 added one more line
9ad4ec9 created dirl/test.txt
a878090 did
66ff520 Reapply "undoing test.txt"
9e464c6 Revert "test.txt created"
9ac4b8b test.txt created
eabc214 test.txt deleted
1c00548 Revert "teckchinf revert"
4636705 test.txt created
048127d commit done
0074b29 Reapply "commit 1: new cmt"
6738be8 Revert "checkinf revert"
4636705 test.txt created
17e6097 some test files have been created.

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git reset --hard b7c1161
HEAD is now at b7c1161 Revert "TRYING TO COMMIT AFTER STASH"

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
bf21161 (HEAD -> main) Revert "TRYING TO COMMIT AFTER STASH"

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
bf21161 (HEAD -> main) Revert "TRYING TO COMMIT AFTER STASH"

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
bf21161 (HEAD -> main) Revert "TRYING TO COMMIT AFTER STASH"

alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git log --oneline
bf3267 seapply "commit 1: new cmt"
c758b8 Revert "cest.txt created

481274 commit 1
1793176 some changes
c74b29 Reapply "commit 1: new cmt"
c758b8 Revert "cest.it created
0481274 commit done
074b29 Reapply "commit 1: new cmt"
c758b640 (origin/sprint1, sprint1) dir deleted and dir2 created
1793176 some ctafted files have been created.
```

- NOTE: <u>git revert</u> will only undoes the perticular commit and doesn't effect later commits but <u>git reset</u> will remove all the later commits.
- there is a already committed file: test.txt
  - I added one line "First Line" and committed. (C1)
  - I added one more line "Second Line" and committed. (C2)
  - I added one more line "Third Line" and committed. (C3)
  - I added one more line "Fourth Line" and committed. (C4)
  - I added one more line "Fifth Line" and committed. (C5)
  - Now I did git revert C2. Will it give any error?
  - △ It usually won't cause an error unless:
    - The line added in C2 ("Second Line") was modified in later commits (C3–C5).
    - For example, if C3 edited "Second Line" instead of just appending "Third Line",
       Git may throw a merge conflict during the revert.

## Working of git stash

```
lokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
echo "Hello" > test6.txt
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
warning: in the working copy of 'test6.txt', LF will be replaced by CRLF the next
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
  git status
 n branch main
on branch main
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
modified: test6.txt
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ cat test6.txt
Hello
 alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
5 echo "Byeee" >> test6.txt
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
  cat test6.txt
Hello
Byeee
 alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git status
 On branch main
 Changes to be committed:
(use "git restore --staged <file>..." to unstage)
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)
```

#### 

- I added one line in a already created file "Hello".
- Staged it
- Added one more line "Bye"
- Then *stashed* it
- Now the staged and unstaged changes were stashed and working tree became clean.

- Then unstashed
- Got everything in side the file.
- Note: The staged modification will be now in unstaged state. As git can't guarantee that the unstaged changes are still valid or not.
- Github ssh login:

Here the authentication is based on http so you need the password. There is a chance of loosing or leaking of the password.

```
pwd
 c/Users/alokr
alokr@Alok MINGW64 ~
$ 1s .ssh
known_hosts known_hosts.old
alokr@Alok MINGW64 ~
  rm -rf .ssh/*
alokr@Alok MINGW64 ~
$ ls -al .ssh
total 24
drwxr-xr-x 1 alokr 197609 0 May 27 20:21 ./
drwxr-xr-x 1 alokr 197609 0 May 27 20:09 ../
alokr@Alok MINGW64 ~
$ ssh-keygen.exe
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/alokr/.ssh/id_ed25519)
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/alokr/.ssh/id_ed25519
Your public key has been saved in /c/Users/alokr/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:ShDSiHFSkqMoM3p2cfgZ4Aivbk+iCfBHfeKk6XKyZUk alokr@Alok
The key's randomart image is:
+--[ED25519 256]--+
 0+ 0.0
  * 0 +00
 ++ E+=oS
 +. oo. Bo+
 0+.0B 0
 0+==.
 o+_
+ o*.
----[SHA256]----+
alokr@Alok MINGW64 ~
$ 1s .ssh
id_ed25519 id_ed25519.pub
alokr@Alok MINGW64 ~
```

م

2 keys are there: id\_ed25519 (private key), id\_ed25519.pub (public key)

Add the public key in your GitHub account (not GitHub repo). Settings > SSH and

#### GPG keys > add ssh key

```
alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git clone git@github.com:Alok905/test_git.git ./
cloning into '.'..
remote: Enumerating objects: 70, done.
remote: Counting objects: 100% (70/70), done.
remote: Compressing objects: 100% (51/51), done.
Receiving objects: 100% (70/70), 435.80 kiB | 670.00 kiB/s, done.(from 0)

Resolving deltas: 100% (22/22), done.

alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ 1s
abc.txt abc1.txt def.txt def2.txt dir1/ dir2/
alokr@Alok MINGw64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$
```

#### Git Tags, Semantic Versioning

```
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) $ echo "First line added. v1.0.0" > t.txt
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git tag -a v1.0.0 -m "Release 1.0.0"
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
warning: in the working copy of 't.txt', LF will be replaced by CRLF the next tim
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git commit -m "v1.0.0 commit"
[main_c7e5b0d] v1.0.0 commit
 1 file changed, 1 insertion(+)
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 282 bytes | 282.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local
remote: Resolving deltas: 100% (1/1), completed with 1 local object. To github.com:Alok905/test_git.git
     5a49e26..c7e5b0d main -> main
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main) $ git push --tags origin main
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 169 bytes | 169.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Alok905/test_git.git
* [new tag] v1.0.0 -> v1.0.0
alokr@Alok MINGW64 /c/myfiles/procect and docs/devops_udemy/section_5_git (main)
$ git tag
v1.0.0
```