

# GIT - TAG OPERATION

[http://www.tutorialspoint.com/git/git\\_tag\\_operation.htm](http://www.tutorialspoint.com/git/git_tag_operation.htm)

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Tag operation allows giving meaningful names to a specific version in the repository. Suppose Tom and Jerry decide to tag their project code so that they can later access it easily.

## Create Tags

Let us tag the current HEAD by using the **git tag** command. Tom provides a tag name with -a option and provides a tag message with -m option.

```
tom@CentOS project]$ pwd
/home/tom/top_repo/project

[tom@CentOS project]$ git tag -a 'Release_1_0' -m 'Tagged basic string operation code'
HEAD
```

If you want to tag a particular commit, then use the appropriate COMMIT ID instead of the HEAD pointer. Tom uses the following command to push the tag into the remote repository.

```
[tom@CentOS project]$ git push origin tag Release_1_0
```

The above command will produce the following result:

```
Counting objects: 1, done.
Writing objects: 100% (1/1), 183 bytes, done.
Total 1 (delta 0), reused 0 (delta 0)
To gituser@git.server.com:project.git
* [new tag]
Release_1_0 -> Release_1_0
```

## View Tags

Tom created tags. Now, Jerry can view all the available tags by using the Git tag command with -l option.

```
[jerry@CentOS src]$ pwd
/home/jerry/jerry_repo/project/src

[jerry@CentOS src]$ git pull
remote: Counting objects: 1, done.
remote: Total 1 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (1/1), done.
From git.server.com:project
* [new tag]
Release_1_0 -> Release_1_0
Current branch master is up to date.

[jerry@CentOS src]$ git tag -l
Release_1_0
```

Jerry uses the Git show command followed by its tag name to view more details about tag.

```
[jerry@CentOS src]$ git show Release_1_0
```

The above command will produce the following result:

```
tag Release_1_0
Tagger: Tom Cat <tom@tutorialspoint.com>
Date: Wed Sep 11 13:45:54 2013 +0530

Tagged basic string operation code
```

```
commit 577647211ed44fe2ae479427a0668a4f12ed71a1
Author: Tom Cat <tom@tutorialspoint.com>
Date: Wed Sep 11 10:21:20 2013 +0530
```

Removed executable binary

```
diff --git a/src/string_operations b/src/string_operations
deleted file mode 100755
index 654004b..0000000
Binary files a/src/string_operations and /dev/null differ
```

## Delete Tags

Tom uses the following command to delete tags from the local as well as the remote repository.

```
[tom@CentOS project]$ git tag
Release_1_0

[tom@CentOS project]$ git tag -d Release_1_0
Deleted tag 'Release_1_0' (was 0f81ff4)
# Remove tag from remote repository.

[tom@CentOS project]$ git push origin :Release_1_0
To gituser@git.server.com:project.git
- [deleted]
Release_1_0
```