# **Git - Tag Operation**

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 |