**Creating TAG in a GIT repository**

TAGs in GIT SCM are created to mark an important version (hash-code) for easy future references or retrievals.

Annotated tags are meant for **Prod. Release** *(major events)* while **lightweight** *(less important events)* tags are meant for private or temporary object labels. This affects the commands like git describe in some way.

Some *git commands* for naming objects (like git describe) will ignore lightweight tags by default.

To start with tagging a version (hash code) in git, with annotation and comments, typically for major events like Production release / UAT etc. we use below command.

$ git tag –a <tag\_name> <hash\_code> -f –m “< detailed comment>”

If a *hash code (SHA-1)* is not mentioned in the above command, then the TAG is created with reference to latest version (SHA-1 code).

We can also use git show command to get details about the TAG, like,

$ git show <tagname>

or we can also use git cat-file command as,

$ git cat-file –p <tagname>

Deleting a TAG can be done using,

$ git tag –d <tagname>