GIT Tags :

1. **What are tags**
2. **Why should I create tags**
3. **When to create tags**
4. **How to create tags in git.**

1.what are tags :

❖ In git or any version control system to creating specific points in history for your repository/data
❖ This is usually done to mark release points.

2. Why should I create Tags:

❖ To mark release points for your code/data
❖ To create historic restore points.

3. When to create Tags:

❖ When ever you want to create a release point for a stable verson of your code.

Steps to be followed for Tags :

❖ We need to checkout the required branch where you want to create a tag

   git checkout <branch name>

create a tag :

git tag <tag name>

ex : git tag v1.0

If you want to check all created tags

git tag

This is a light weight tag, and we can create annotated tags also

git tag –a v1.1 –m "Tag created release for v1.1"

git tag

v1.0

v1.1

Diff between light weight tag and annotated tag is , here you can create some message and it also contains all the information about the tags and it wil be stored as a complete git object in a git repository.

How to display the tags :

git tag

git show v1.0

git tag –l "V1.*"

How to push tags to remote :

Git push origin v1.0 -> This is for single tag

Git push –tags

Git push origin –tags

These above 2 commands to push multiple tags to git repository.

Delete tags:

git tag –d v1.0   --- deleting from local

git tag –delete v1.0

git tag

Deleting from repository :

Git push origin –d v1.0

Git push origin –delete v1.0

Git push origin :v1.0

Deleting multiple tags :

Git tag –d v1.0 v1.1   --- from local

Git push origin –d v1.0 v1.1   --- from server

For old commits also we can create tags

Git tag <tag name> <commit id>