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Sub: Git & Git ops Assignment: 5

Experiment 5: Git Tags for Versioning

```
git@autops_ass_1: ~ Google Docs.pdf git@autops_ass_3: ~ Google Docs.pdf my direct copy
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass$ mkdir versioned-repo
cd versioned-repo
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ringhangbty/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo/.git/
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ echo "Project version 1.0" > readme.txt
git add readme.txt
git commit -m "Initial commit"
[master (root-commit) 6c6df1c] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 readme.txt
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git tag -a v1.0 -m "Initial release version 1.0"
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ echo "Update for version 1.1" >> readme.txt
git add readme.txt
git commit -m "Updated for version 1.1"
[master 785170d] Updated for version 1.1
 1 file changed, 1 insertion(+)
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git tag -a v1.1 -m "Version 1.1 release"
git tag -a v1.2 -m "Version 1.2 release"
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git tag
v1.0
v1.1
v1.2
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git tag -d v1.1
Deleted tag 'v1.1' (was 46e6ff7)
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git tag
v1.0
v1.2
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git checkout v1.0
v1.2
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git checkout v1.0
Note: switching to 'v1.0'.
```

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

```
git switch -c <new-branch-name>
Or undo this operation with:
git switch -
```

Turn off this advice by setting config variable advice.detachedHead to false

```
HEAD is now at 6c6df1c Initial commit
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$ git checkout master
Previous HEAD position was 6c6df1c Initial commit
Switched to branch 'master'
ringhangbty@ringhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/versioned-repo$
```