

1. Create a new Repository called "MySoftware"
2. Have 3 branches in your repository:
  - a. Master (already exist- no reason to create)
  - b. NewButton
  - c. NewScreen

```
(venv) sarahkossmann@Sarahs-MacBook-Pro:09.28.2022/MySoftware <main>$ git branch NewButton
(venv) sarahkossmann@Sarahs-MacBook-Pro:09.28.2022/MySoftware <main>$ git branch NewScreen
```

3. In your NewButton branch add a method called click() which prints the word "Click"

```
(venv) sarahkossmann@Sarahs-MacBook-Pro:09.28.2022/MySoftware <main>$ git checkout NewButton
A      09.28.2022/MySoftware/28.09_assignment.py
Switched to branch 'NewButton'
(venv) sarahkossmann@Sarahs-MacBook-Pro:09.28.2022/MySoftware <NewButton>$ git add .
(venv) sarahkossmann@Sarahs-MacBook-Pro:09.28.2022/MySoftware <NewButton>$ git commit -m "added method click"
[NewButton 716e9ac] added method click
1 file changed, 2 insertions(+)
```

4. In your NewScreen branch create a method called welcome() which prints "New Screen"

```
(venv) sarahkossmann@Sarahs-MacBook-Pro:PycharmProjects/Devops_projects <NewButton>$ git checkout NewScreen
Switched to branch 'NewScreen'
(venv) sarahkossmann@Sarahs-MacBook-Pro:PycharmProjects/Devops_projects <NewScreen>$ git add .
(venv) sarahkossmann@Sarahs-MacBook-Pro:PycharmProjects/Devops_projects <NewScreen>$ git commit -m "added welcome method"
[NewScreen 2c2670e] added welcome method
1 file changed, 2 insertions(+)
create mode 100644 09.28.2022/MySoftware/28.09_assignment.py
```

5. Commit and push your changes into your branches.

```
(venv) sarahkossmann@Sarahs-MacBook-Pro:PycharmProjects/Devops_projects <NewScreen>$ git push --set-upstream origin NewScreen
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 420 bytes | 420.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'NewScreen' on GitHub by visiting:
remote:   https://github.com/sarahkossmann/Devops\_projects/pull/new/NewScreen
remote:
To github.com:sarahkossmann/Devops_projects.git
 * [new branch]      NewScreen -> NewScreen
Branch 'NewScreen' set up to track remote branch 'NewScreen' from 'origin'.
```

```
(venv) sarahkossmann@Sarahs-MacBook-Pro:PycharmProjects/Devops_projects <NewButton>$ git push --set-upstream origin NewButton
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 420 bytes | 420.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'NewButton' on GitHub by visiting:
remote:   https://github.com/sarahkossmann/Devops\_projects/pull/new/NewButton
remote:
To github.com:sarahkossmann/Devops_projects.git
 * [new branch]      NewButton -> NewButton
Branch 'NewButton' set up to track remote branch 'NewButton' from 'origin'.
```

## 6. Create a pull request from both branches into your Master

### added method click #1

**Merged** sarahkossmann merged 1 commit into `main` from `NewButton` now

Conversation 0 Commits 1 Checks 0 Files changed 1

sarahkossmann commented 27 seconds ago Owner

reviewing NewButton branch

added method click 716e9ac

sarahkossmann merged commit 2340da4 into `main` now Revert

**Pull request successfully merged and closed** Delete branch

You're all set—the `NewButton` branch can be safely deleted.

## 7. Merge your code

### added welcome method #2

Resolving conflicts between `NewScreen` and `main` and committing changes → `NewScreen`

1 conflicting file

09.28.2022/MySoftware/28.09\_assignment.py 1 conflict Prev Next Mark as resolved

28.09\_assignment.py  
...8.2022/MySoftware/28.09\_assignment.py

```
1 <<<<<< NewScreen
2 def welcome():
3     print("new screen")
4     =====
5     def click_method():
6         print("CLICK")
7     >>>>>> main
8
```

From the image above: I resolved the conflicts before merging and closing the pull request (+deleted the branch).

8. Go back to one of your Jenkins build jobs, and add this git repository commits as a trigger (Poll SCM should be every 30 minutes).

### OUTPUT:

Started by an SCM change

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/free-disk-space-info

The recommended git tool is: NONE

No credentials specified

```
> git rev-parse --resolve-git-dir /Users/sarahkossmann/.jenkins/workspace/free-disk-space-info/.git
# timeout=10
```

Fetching changes from the remote Git repository

```
> git config remote.origin.url https://github.com/sarahkossmann/Devops_projects.git # timeout=10
```

Fetching upstream changes from [https://github.com/sarahkossmann/Devops\\_projects.git](https://github.com/sarahkossmann/Devops_projects.git)

```
> git --version # timeout=10
```

```

> git --version # 'git version 2.24.3 (Apple Git-128)'
> git fetch --tags --force --progress -- https://github.com/sarahkossmann/Devops\_projects.git +refs/
heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 99cdb9775e5acf4ba2afde1fc2362a7f6a019585 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 99cdb9775e5acf4ba2afde1fc2362a7f6a019585 # timeout=10
Commit message: "made small modification to trigger jenkins job"
> git rev-list --no-walk 8e907ee6bfb81c7f94cae68c67a8c2729674ddca # timeout=10
[free-disk-space-info] $ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/
jenkins8892343282842716190.sh
+ df -h
Filesystem      Size  Used Avail Capacity iused   ifree %iused  Mounted on
/dev/disk1s1s1 234Gi 22Gi 121Gi   16% 500637 1264309720    0% /
devfs           193Ki 193Ki   0Bi  100%   670         0 100% /dev
/dev/disk1s4   234Gi 3.0Gi 121Gi    3%    4 1264309720    0% /System/Volumes/VM
/dev/disk1s2   234Gi 257Mi 121Gi    1%   791 1264309720    0% /System/Volumes/Preboot
/dev/disk1s6   234Gi 102Mi 121Gi    1%   402 1264309720    0% /System/Volumes/Update
/dev/disk1s5   234Gi 86Gi 121Gi   42% 1163539 1264309720    0% /System/Volumes/Data
map auto_home   0Bi   0Bi   0Bi  100%     0         0 100% /System/Volumes/Data/home
/dev/disk1s1   234Gi 22Gi 121Gi   16% 502070 1264309720    0% /System/Volumes/Update/
mnt1
Finished: SUCCESS

```