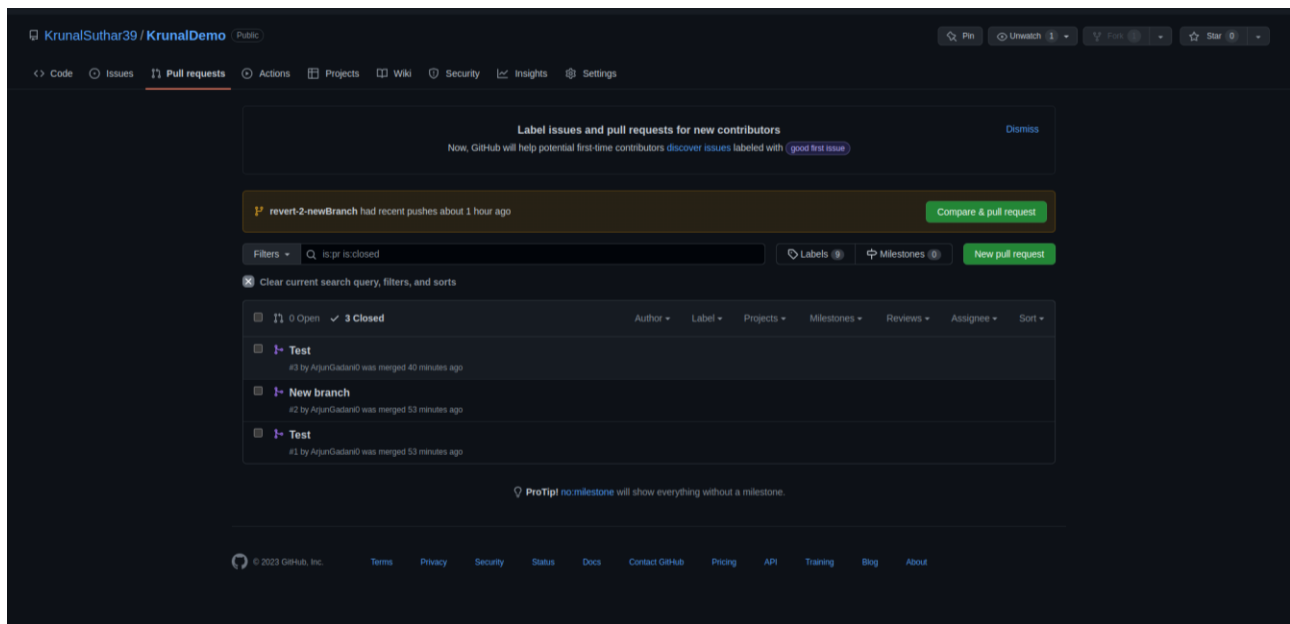


Git Course Assignment

1. Pull and Merge difference

- Make example of pull request and two branch merge events.



2. Rebase

- Try to rebase feature branch with master branch

Before Rebase Log

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git rebase -i 6bb6496073473a597bbf9f6253023c48a354c8fb
[detached HEAD d91fc53] 1.txt
Date: Thu Feb 2 15:39:10 2023 +0530
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 1.txt
create mode 100644 2.txt
create mode 100644 3.txt
Successfully rebased and updated refs/heads/test.
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit d91fc53a6d9926ec021ee104a3380539d100d8ae (HEAD -> test)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:39:10 2023 +0530

    1.txt

    2.txt

    3.txt

Merged Commits.

commit 6bb6496073473a597bbf9f6253023c48a354c8fb (origin/test, newBranch, main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4 (origin/main, origin/HEAD)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530

    Create Demo.txt
```

After Rebase Log

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit 5873dcf4c05ba467f9ae22b1d0f5690276b99f45 (HEAD -> test)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:39:26 2023 +0530

    3.txt

commit 1a3b009739dae8e7cf7cb0bf72059d2cf3a45884
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:39:19 2023 +0530

    2.txt

commit 7c6dcd568aa35fc9a416316c865895e09443c952
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:39:10 2023 +0530

    1.txt

commit 6bb6496073473a597bbf9f6253023c48a354c8fb (origin/test, newBranch, main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4 (origin/main, origin/HEAD)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530
```

3. Change commit message

- Commit push on commit in feature newBranch and then change commit message

Before Changing Commit Message

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git commit --amend -m "Adding Testing.txt File"
[newBranch 40ae96e] Adding Testing.txt File
Date: Thu Feb 2 15:59:47 2023 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 testing.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit 40ae96eb177ab909fc2bd841ed9e7409feda81fb (HEAD -> newBranch)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:59:47 2023 +0530

    Adding Testing.txt File

commit 6bb6496073473a597bbf9f6253023c48a354c8fb (origin/newBranch, main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4 (origin/main, origin/HEAD)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530

    Create Demo.txt
```

After Changing Commit Message

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ touch testing.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git add testing.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git checkout newBranch
A
testing.txt
Switched to branch 'newBranch'
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git commit -m "Testing.txt"
[newBranch 63f72bb] Testing.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 testing.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit 63f72bb1da9503439b7ebbc094bec94adbd06aed (HEAD -> newBranch)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:59:47 2023 +0530

    Testing.txt

commit 6bb6496073473a597bbf9f6253023c48a354c8fb (origin/newBranch, main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4 (origin/main, origin/HEAD)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530

    Create Demo.txt
```

4. cherry pick

- Pick some commits from test branch to master branch

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git push origin main
Everything up-to-date
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git cherry-pick 1d170f2575fcace50bb4975dd39cc62614e88513 ca5e81d797444412d24c6b91590e3433ab695d60
[main 7cae88f] sampleDemo.txt
Date: Thu Feb 2 15:57:01 2023 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 sampleDemo.txt
[main 6070489] Adding Xyz.txt
Date: Thu Feb 2 16:15:06 2023 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 xyz.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit 6070489197424e06eac479b8a129eccc91e3e536 (HEAD -> main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 16:15:06 2023 +0530

    Adding Xyz.txt

commit 7cae88f9790f9dd58ead29fef3d77652e68fad2a
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:57:01 2023 +0530

    sampleDemo.txt

commit c1d2da251987f573e63dbc7e1a80880bf4130129 (origin/main, origin/HEAD)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 6bb6496073473a597bbf9f6253023c48a354c8fb
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530
```

5. Drop commit

- Remove some commit from t branch.

```
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git reset --hard 6070489197424e06eac479b8a129ecce91e3e536
HEAD is now at 6070489 Adding Xyz.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$ git log
commit 6070489197424e06eac479b8a129ecce91e3e536 (HEAD -> t, origin/main, origin/HEAD, main)
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 16:15:06 2023 +0530

    Adding Xyz.txt

commit 7cae88f9790f9dd58ead29fef3d77652e68fad2a
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:57:01 2023 +0530

    sampleDemo.txt

commit c1d2da251987f573e63dbc7e1a80880bf4130129
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 6bb6496073473a597bbf9f6253023c48a354c8fb
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:35:06 2023 +0530

    Edited Demo File

commit 733d347c5785e308d62e4a5ded20f88436518ae4
Author: Arjun Gadani <arjun.g@simformsolutions.com>
Date: Thu Feb 2 15:31:05 2023 +0530

    Modified Demo File

commit 38a3e7ac0d7036cc64334629fe8c62fa4f9292d5
Author: KrunalSuthar39 <124235116+KrunalSuthar39@users.noreply.github.com>
Date: Thu Feb 2 15:24:16 2023 +0530

    Create Demo.txt
arjun@sf-cpu-0250:~/Desktop/KrunalDemo$
```