

Created a “feature” branch as per Zoho task Id: (TE-T84 Git).

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git flow feature start TE-T84_Git
Switched to a new branch 'feature/TE-T84_Git'

Summary of actions:
- A new branch 'feature/TE-T84_Git' was created, based on 'develop'
- You are now on branch 'feature/TE-T84_Git'

Now, start committing on your feature. When done, use:

    git flow feature finish TE-T84_Git
```

Created a new sub branch from the “feature” branch as below:

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (feature/TE-T84_Git)
$ git checkout feature/TE-T84_Git
Already on 'feature/TE-T84_Git'

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (feature/TE-T84_Git)
$ git checkout -b feature/TE-T84_Git_Sub_branch
Switched to a new branch 'feature/TE-T84_Git_Sub_branch'

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (feature/TE-T84_Git_Sub_branch)
$ |
```

Created a new branch from the “develop” Branch:

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git checkout develop
Already on 'develop'

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git branch task_1_branch

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git branch
* develop
  feature/TE-T84_Git
  feature/TE-T84_Git_Sub_branch
  master
  task_1_branch

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
```

Made a new file called commit-msg and add the small script in it regarding the checking of the commit message. (took help of co-pilot).

Had fail in testing due to the permission setup failure.

Done in the second time.

Had performed this task at the end of all the tasks.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (master)
$ dir
task14.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (master)
$ nano task14.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (master)
$ git add .
warning: in the working copy of 'task14.txt', LF will be replaced by CRLF the next time Git touches it

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (master)
$ git commit -m "testing"
X Commit message must include Task ID (TE-T84)

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (master)
$
```

Performing multiple commit in the new branch from the “task\_1\_branch”.

Made two file : “task2.txt” and “task2\_1.txt”

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git checkout task_1_branch
Switched to branch 'task_1_branch'

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ nano task2.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ dir
task2.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ git add .
warning: in the working copy of 'task2.txt', LF will be replaced by CRLF the next time Git touches it

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ git commit -m "first commit"
[task_1_branch 24b3192] first commit
1 file changed, 2 insertions(+)
create mode 100644 task2.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ nano task2.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ nano task2_1.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ git add .
warning: in the working copy of 'task2_1.txt', LF will be replaced by CRLF the next time Git touches it

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_1_branch)
$ git commit -m "second commit"
[task_1_branch e8369b4] second commit
1 file changed, 2 insertions(+)
create mode 100644 task2_1.txt
```

Had created a pull request via GitHub UI instead of the Git CLI.

While using the git cli need to perform the “fetch” from “task\_1\_branch” to the “develop” branch.

### Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#) or [learn more about diff comparisons](#).

base: develop ← compare: task\_1\_branch ✓ Able to merge. These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#) [Create pull request](#)

→ 2 commits 2 files changed 1 contributor

Commits on Jan 29, 2026

**first commit**  
23giant committed 21 minutes ago 24b3192

**second commit**  
23giant committed 19 minutes ago e8369b4

Showing 2 changed files with 4 additions and 0 deletions. Split Unified

task2.txt

```
... @@ -0,0 +1,2 @@
1 + time stamp: 11:37 p.m.
2 +
```

task2\_1.txt

```
... @@ -0,0 +1,2 @@
1 + time stamp: 11:39 p.m.
2 +
```

Created new branch as “task\_6\_branch” from the “develop” while the previous pull request for the “develop” branch was pending.

```
nuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
git checkout task_6_branch
Switched to branch 'task_6_branch'
```

Created new file called “task7.txt”

Committed and then push it to the “remote/task\_6\_branch” .

Also at that time the pull request for the “develop” branch was accepted.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_6_branch)
$ nano task7.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_6_branch)
$ git add .
warning: in the working copy of 'task7.txt', LF will be replaced by CRLF the next
time Git touches it

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_6_branch)
$ git commit -m "commit from new branch of task_6_branch as task7"
[task_6_branch 808fe32] commit from new branch of task_6_branch as task7
1 file changed, 2 insertions(+)
create mode 100644 task7.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_6_branch)
$ git push origin task_6_branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (3/3), 285 bytes | 285.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'task_6_branch' on GitHub by visiting:
remote:   https://github.com/Anuj232004/git-exercise/pull/new/task_6_branch
remote:
To https://github.com/Anuj232004/git-exercise
 * [new branch]      task_6_branch -> task_6_branch
```

Merge has been successfully that to via GitHub UI instead of Git CLI.



Would use “git merge” to merge the files in “develop” branch via CLI.

The screenshot shows the GitHub web interface for a repository. At the top, the 'develop' branch is selected. Below this, a message states 'This branch is 1 commit ahead of task\_1\_branch'. A pull request is displayed, titled 'Merge pull request #1 from Anuj232004/task\_1...'. The pull request details show two commits: 'task2.txt' (first commit, 43 minutes ago) and 'task2\_1.txt' (second commit, 41 minutes ago). A 'README' file is also visible at the bottom of the interface.

Had created a pull request from the “task\_6\_branch” to the “develop” branch. (via GitHub UI)

Afterward had merge it via UI only.

## task6\_branch #2


 **Open** Anuj232004 wants to merge 3 commits into `task_6_branch` from `develop` 

Conversation 0


Commits 3


Checks 0



Files changed 2



 Anuj232004 commented now Owner ...



pull request from develop to the task6\_branch for task 9.




 23giant and others added 3 commits 2 hours ago

  first commit 24b3192

  second commit e8369b4


  Merge pull request #1 from Anuj232004/task\_1\_branch Verified 01629e3

 **No conflicts with base branch**  
Merging can be performed automatically.

Merge pull request

You can also merge this with the command line. [View command line instructions.](#)

Still in progress? [Convert to draft](#)

 Add a comment

Had learnt about the “tag” command and its usage.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git tag v1.0.0
```

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git push origin v1.0.0
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Anuj232004/git-exercise
* [new tag]          v1.0.0 -> v1.0.0
```

Had created two new branch from the develop branch : “task11\_branch3” and “task11\_branch4”.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git checkout -b task11_branch3
Switched to a new branch 'task11_branch3'
```

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git checkout -b task11_branch4
Switched to a new branch 'task11_branch4'
```

Had changed the content of “task2.txt” from the “task11\_branch3” branch and then commit it and pushed it.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch3)
$ nano task2.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch3)
$ git add .

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch3)
$ git commit -m"made change in the file task2.txt of develop branch by task11_br
branch3 "
[task11_branch3 e38d5ad] made change in the file task2.txt of develop branch by
task11_branch3
1 file changed, 1 insertion(+), 1 deletion(-)

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch3)
$ git push origin task11_branch3
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'task11_branch3' on GitHub by visiting:
remote:   https://github.com/Anuj232004/git-exercise/pull/new/task11_branch3
remote:
To https://github.com/Anuj232004/git-exercise
 * [new branch]      task11_branch3 -> task11_branch3

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch3)
$
```

Cherry-pick the commit of “task11\_branch3” into the “task1\_branch4”:

```

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
git cherry-pick e38d5ad2e51ce63b80c486e1146947298a683ac9
task11_branch4 41a9aed] made change in the file task2.txt of develop branch by task11_branch3
Date: Thu Jan 29 14:46:00 2026 +0530
1 file changed, 1 insertion(+), 1 deletion(-)

```

Changed the name of commit via “amend” from “task11\_branch4”.

Forgot to use the rebase -i window and use the squash command along with merging both commit messages to single message.

```

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
$ git commit --amend -m "commit rename from the task11_branch4"
[task11_branch4 32ce854] commit rename from the task11_branch4
Date: Thu Jan 29 14:46:00 2026 +0530
1 file changed, 1 insertion(+), 1 deletion(-)

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
$ git log
commit 32ce85421603e4426a628242f7a0d8a0c5e6c53f (HEAD -> task11_branch4)
Author: Anuj <anujhacker8@gmail.com>
Date: Thu Jan 29 14:46:00 2026 +0530

    commit rename from the task11_branch4

```

Had created 3 files: “task14.txt”, “task14\_1.txt” and “task14\_2.txt”.

Had committed them from the “task11\_branch14” branch:

```

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
$ git log
commit 1374b21f235494864fc05be7d20b64b9868d2a6a (HEAD -> task11_branch4)
Author: Anuj <anujhacker8@gmail.com>
Date: Thu Jan 29 14:58:42 2026 +0530

    commit3 from the task11_branch4

commit f91ba28f600a47432418628b063749d89bf2d655
Author: Anuj <anujhacker8@gmail.com>
Date: Thu Jan 29 14:58:13 2026 +0530

    commit2 from the task11_branch4

commit 180d17c890e34215402c21c1cc278df030091e46
Author: Anuj <anujhacker8@gmail.com>
Date: Thu Jan 29 14:57:18 2026 +0530

    commit1 from the task 11_branch

```

Deleted the last commit as by resetting the HEAD to the previous commit with hard to delete the commit as well.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
$ git reset --hard HEAD~1
HEAD is now at f91ba28 commit2 from the task11_branch4

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task11_branch4)
$
```

Due to the usage of the UI Pull request I had forgotten the “local/task\_6\_branch” and “local/develop” branch updation with the “remote/task\_6\_branch” and “remote/develop” branches after their pull requests being merged from the remote (GitHub UI) only.

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (task_6_branch)
$ git pull origin task_6_branch
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (2/2), 997 bytes | 199.00 KiB/s, done.
From https://github.com/Anuj232004/git-exercise
* branch                task_6_branch -> FETCH_HEAD
   808fe32..16d0aa5 task_6_branch -> origin/task_6_branch
Updating 808fe32..16d0aa5
Fast-forward
 task2.txt      | 2 ++
 task2_1.txt    | 2 ++
 2 files changed, 4 insertions(+)
 create mode 100644 task2.txt
 create mode 100644 task2_1.txt
```

```
anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ git pull origin develop
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 920 bytes | 460.00 KiB/s, done.
From https://github.com/Anuj232004/git-exercise
* branch                develop -> FETCH_HEAD
   bbc3875..01629e3 develop -> origin/develop
Updating bbc3875..01629e3
Fast-forward
 task2.txt      | 2 ++
 task2_1.txt    | 2 ++
 2 files changed, 4 insertions(+)
 create mode 100644 task2.txt
 create mode 100644 task2_1.txt

anuj.shah@SF-CPU-401 MINGW64 ~/git-exercise (develop)
$ dir
task2.txt  task2_1.txt
```