```
heman@Hemanth_B MINGW64 ~
$ cd "C:\Users\heman\OneDrive\Desktop"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ git clone "https://github.com/madan21-git/git4.git"
Cloning into 'git4'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 7 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), 377.63 KiB | 115.00 KiB/s, done.
```

```
noop

# Rebase 49b6ebd..49b6ebd onto 49b6ebd (1 command)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                    commit's log message, unless -C is used, in which case
#                    keep only this commit's message; -c is same as -C but
#                    opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
#          create a merge commit using the original merge commit's
#          message (or the oneline, if no original merge commit was
#          specified); use -c <commit> to reword the commit message
# u, update-ref <ref> = track a placeholder for the <ref> to be updated
#                    to this position in the new commits. The <ref> is
#                    updated at the end of the rebase
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
~
~
~
~
~
~
```

```
Successfully rebased and updated refs/heads/main.
Deletion of directory '.git/rebase-merge' failed. Should I try again? (y/n)
Sorry, I did not understand your answer. Please type 'y' or 'n'
Deletion of directory '.git/rebase-merge' failed. Should I try again? (y/n) n
error: could not remove '.git/rebase-merge'

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git rebase --abort
warning: could not read '.git/rebase-merge/head-name': No such file or directory

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git push origin main --force
info: please complete authentication in your browser...
Everything up-to-date

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git rebase --abort
warning: could not read '.git/rebase-merge/head-name': No such file or directory

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git rebase --continue
warning: could not read '.git/rebase-merge/head-name': No such file or directory

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git rebase --abort
warning: could not read '.git/rebase-merge/head-name': No such file or directory

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

You are currently rebasing.
  (all conflicts fixed: run "git rebase --continue")

nothing to commit, working tree clean

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (|REBASE)
$ rm -rf .git/rebase-merge

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git push origin main --force
Everything up-to-date
```

```
heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ cd "C:\Users\heman\OneDrive\Desktop\git4"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git checkout -b feature-branch
Switched to a new branch 'feature-branch'

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (feature-branch)
$ echo "feature work">>feature.txt

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (feature-branch)
$ git add .
warning: in the working copy of 'feature.txt', LF will be replaced by CRLF the next time Git touches it

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (feature-branch)
$ git commit -m "added feature work"
[feature-branch f9e4040] added feature work
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (feature-branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git merge feature-branch -m "custom merge message for branch"
Updating 49b6ebd..f9e4040
Fast-forward (no commit created; -m option ignored)
 feature.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git merge --continue
fatal: There is no merge in progress (MERGE_HEAD missing).

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 323 bytes | 323.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/madan21-git/git4.git
   49b6ebd..f9e4040  main -> main
```

```
heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git cherry-pick f9e4040012f82d2274bc6120f5153b292967f6e5
On branch main
Your branch is up to date with 'origin/main'.

You are currently cherry-picking commit f9e4040.
  (all conflicts fixed: run "git cherry-pick --continue")
  (use "git cherry-pick --skip" to skip this patch)
  (use "git cherry-pick --abort" to cancel the cherry-pick operation)

nothing to commit, working tree clean
The previous cherry-pick is now empty, possibly due to conflict resolution.
If you wish to commit it anyway, use:

    git commit --allow-empty

Otherwise, please use 'git cherry-pick --skip'

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main|CHERRY-PICKING)
$ git cherry-pick  49b6ebd13618525c21a512f60de461dcb48bea6d
On branch main
Your branch is up to date with 'origin/main'.

You are currently cherry-picking commit 49b6ebd.
  (all conflicts fixed: run "git cherry-pick --continue")
  (use "git cherry-pick --skip" to skip this patch)
  (use "git cherry-pick --abort" to cancel the cherry-pick operation)

nothing to commit, working tree clean
The previous cherry-pick is now empty, possibly due to conflict resolution.
If you wish to commit it anyway, use:

    git commit --allow-empty

Otherwise, please use 'git cherry-pick --skip'
```

```
heman@Hemanth_B MINGW64 ~
$ cd "C:\Users\heman\OneDrive\Desktop"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ git clone "https://github.com/madan21-git/git4.git"
Cloning into 'git4'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 7 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), 377.63 KiB | 115.00 KiB/s, done.

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ cd "C:\Users\heman\OneDrive\Desktop\git4"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log --oneline
f9e4040 (HEAD -> main, tag: v2.0, tag: v1.0, origin/main, origin/HEAD) added feature work
49b6ebd Add files via upload

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log --pretty=format:"%an|%ae|%ad"
madan kumar|madmadankumar371@gmail.com|Tue Dec 30 20:56:44 2025 +0530
madan21-git|madmadankumar371@gmail.com|Tue Dec 30 20:36:48 2025 +0530

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log --oneline --date=short
f9e4040 (HEAD -> main, tag: v2.0, tag: v1.0, origin/main, origin/HEAD) added feature work
49b6ebd Add files via upload

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log --author="heman@Hemanth_B" --since="2025-12-30" --until="2025-12-30"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
```

```
heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git show v1.0
commit f9e4040012f82d2274bc6120f5153b292967f6e5 (HEAD -> main, tag: v2.0, tag: v1.0, origin/main, origin/HEAD)
Author: madan kumar <madmadankumar371@gmail.com>
Date:   Tue Dec 30 20:56:44 2025 +0530

    added feature work

diff --git a/feature.txt b/feature.txt
new file mode 100644
index 0000000..bac0ee7
--- /dev/null
+++ b/feature.txt
@@ -0,0 +1 @@
+feature work
```

```
heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ cd "C:\Users\heman\OneDrive\Desktop"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ git clone "https://github.com/madan21-git/git4.git"
Cloning into 'git4'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 7 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), 377.63 KiB | 370.00 KiB/s, done.

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop
$ cd "C:\Users\heman\OneDrive\Desktop\git4"

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log
commit f9e4040012f82d2274bc6120f5153b292967f6e5 (HEAD -> main, origin/main, origin/HEAD)
Author: madan kumar <madmadankumar371@gmail.com>
Date:   Tue Dec 30 20:56:44 2025 +0530

    added feature work

commit 49b6ebd13618525c21a512f60de461dcb48bea6d
Author: madan21-git <madmadankumar371@gmail.com>
Date:   Tue Dec 30 20:36:48 2025 +0530

    Add files via upload

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git tag v1.0

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git push origin v1.0
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/madan21-git/git4.git
 * [new tag]         v1.0 -> v1.0

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git tag v2.0  f9e4040012f82d2274bc6120f5153b292967f6e5

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git push origin v2.0
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/madan21-git/git4.git
 * [new tag]         v2.0 -> v2.0

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git tag
v1.0
v2.0
```

```
heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log -n 5
commit f9e4040012f82d2274bc6120f5153b292967f6e5 (HEAD -> main, tag: v2.0, tag: v1.0, origin/main, origin/HEAD)
Author: madan kumar <madmadankumar371@gmail.com>
Date:    Tue Dec 30 20:56:44 2025 +0530

    added feature work

commit 49b6ebd13618525c21a512f60de461dcb48bea6d
Author: madan21-git <madmadankumar371@gmail.com>
Date:    Tue Dec 30 20:36:48 2025 +0530

    Add files via upload

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git log -n 5 --oneline
f9e4040 (HEAD -> main, tag: v2.0, tag: v1.0, origin/main, origin/HEAD) added feature work
49b6ebd Add files via upload
```

Revert "added feature work"

This reverts commit f9e4040012f82d2274bc6120f5153b292967f6e5.

Please enter the commit message for your changes. Lines starting
with '#' will be ignored, and an empty message aborts the commit.
#
On branch main
Your branch is up to date with 'origin/main'.
#
Changes to be committed:
deleted: feature.txt
#
~
~
~
~
~
~

```
[main a843a62] Revert "added feature work"
 1 file changed, 1 deletion(-)
 delete mode 100644 feature.txt

heman@Hemanth_B MINGW64 ~/OneDrive/Desktop/git4 (main)
$ git reset --hard f9e4040012f82d2274bc6120f5153b292967f6e5
HEAD is now at f9e4040 added feature work
```