

Assignment 4

Tasks

1. Create a feature branch
2. Make 3 small commits
3. Squash them into 1 commit using interactive rebase
4. Push updated branch
5. Raise PR

Create a feature branch

```
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git checkout -b feature/Ankita/squash
Switched to a new branch 'feature/Ankita/squash'
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git branch
* feature/Ankita/squash
  test
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$
```

Make 3 small commits

```
test
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ touch sample.txt
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ nano sample.txt
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git add .
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git commit -m "Added first commit"
[feature/Ankita/squash eee0764] Added first commit
 1 file changed, 3 insertions(+)
 create mode 100644 sample.txt
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git push origin feature/Ankita/squash
Username for 'https://github.com': Ankita-Advitot
Password for 'https://Ankita-Advitot@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 303 bytes | 101.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature/Ankita/squash' on GitHub by visiting:
remote:   https://github.com/Ankita-Advitot/GitAssignment04/pull/new/feature/Ankita/squash
remote:
To https://github.com/Ankita-Advitot/GitAssignment04.git
 * [new branch]      feature/Ankita/squash -> feature/Ankita/squash
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$
```

```
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ nano sample.txt
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git add .
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git commit -m "Added second commit"
[feature/Ankita/squash 97ddef9] Added second commit
 1 file changed, 2 insertions(+)
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git push origin feature/Ankita/squash
Username for 'https://github.com': Ankita-Advitot
Password for 'https://Ankita-Advitot@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 318 bytes | 159.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Ankita-Advitot/GitAssignment04.git
  eee0764..97ddef9  feature/Ankita/squash -> feature/Ankita/squash
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$
```

```
eee0764..97ddef9  feature/Ankita/squash -> feature/Ankita/squash
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ nano sample.txt
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git add .
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git commit -m "Added second commit"
[feature/Ankita/squash 120d1db] Added second commit
 1 file changed, 1 insertion(+)
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git commit --amend -m
error: switch 'm' requires a value
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git commit --amend -m "Added third commit"
[feature/Ankita/squash bb31c34] Added third commit
 Date: Thu Jan 8 13:19:09 2026 +0530
 1 file changed, 1 insertion(+)
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$ git push origin feature/Ankita/squash
Username for 'https://github.com': Ankita-Advitot
Password for 'https://Ankita-Advitot@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 330 bytes | 165.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Ankita-Advitot/GitAssignment04.git
  97ddef9..bb31c34  feature/Ankita/squash -> feature/Ankita/squash
hp@hp-HP-EliteBook-840-G3:~/GitAssignment04$
```

```
GNU nano 7.2          /home/hp/GitAssignment04/.git/rebase-merge/git-rebase-todo
pick eee0764 Added first commit
pick 97ddef9 Added second commit
pick bb31c34 Added third commit

# Rebase 0b87cde..bb31c34 onto 0b87cde (3 commands)
#
# 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
[ Read 34 lines ]
^G Help      ^O Write Out    ^W Where Is    ^K Cut        ^T Execute    ^C Location   M-U Undo
^X Exit      ^R Read File    ^\ Replace     ^U Paste      ^J Justify    ^/ Go To Line M-E Redo
```

```
GNU nano 7.2          /home/hp/GitAssignment04/.git/rebase-merge/git-rebase-todo *
pick eee0764 Added first commit
s 97ddef9 Added second commit
s bb31c34 Added third commit
[ Read 34 lines ]
^G Help      ^O Write Out    ^W Where Is    ^K Cut        ^T Execute    ^C Location   M-U Undo
^X Exit      ^R Read File    ^\ Replace     ^U Paste      ^J Justify    ^/ Go To Line M-E Redo
```

```
GNU nano 7.2          /home/hp/GitAssignment04/.git/rebase-merge/git-rebase-todo
pick eee0764 Added Sample.txt file with 3 commits
s 97ddef9 Added second commit
s bb31c34 Added third commit

# Rebase 0b87cde..bb31c34 onto 0b87cde (3 commands)
#
# 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
[ Wrote 34 lines ]
^G Help      ^O Write Out    ^W Where Is    ^K Cut        ^T Execute    ^C Location   M-U Undo
^X Exit      ^R Read File    ^\ Replace     ^U Paste      ^J Justify    ^/ Go To Line M-E Redo
```

```
GNU nano 7.2          /home/hp/GitAssignment4/.git/rebase-merge/git-rebase-todo
pick e8ea94d First commit
pick 9b8cdfe Second commit
pick c2a06d7 Third commit

# Rebase efb9ebf..c2a06d7 onto efb9ebf (3 commands)
#
# 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
[ Read 34 lines ]
^G Help      ^O Write Out   ^W Where Is   ^K Cut        ^T Execute   ^C Location   M-U Undo
^X Exit     ^R Read File   ^\ Replace    ^U Paste     ^J Justify   ^/ Go To Line M-E Redo
```

```
GNU nano 7.2          /home/hp/GitAssignment4/.git/rebase-merge/git-rebase-todo *
pick e8ea94d Added sample.txt with three small commits
s 9b8cdfe Second commit
s c2a06d7 Third commit

# Rebase efb9ebf..c2a06d7 onto efb9ebf (3 commands)
#
# 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
[ Read 34 lines ]
^G Help      ^O Write Out   ^W Where Is   ^K Cut        ^T Execute   ^C Location   M-U Undo
^X Exit     ^R Read File   ^\ Replace    ^U Paste     ^J Justify   ^/ Go To Line M-E Redo
```

```
hp@hp-HP-EliteBook-840-G3:~/GitAssignment4$ git rebase -i HEAD~3
[detached HEAD 166cd8a] Added sample.txt
Date: Thu Jan 8 17:50:15 2026 +0530
1 file changed, 4 insertions(+), 3 deletions(-)
Successfully rebased and updated refs/heads/feature/Ankita/squash.
hp@hp-HP-EliteBook-840-G3:~/GitAssignment4$ █
```