

Cherry picking

What is cherry-pick? Explain the use case of it and also write steps to do it.

Cherry picking means copying a commit from one branch to another branch. We can cherry-pick any commit from one branch and make a copy of the changes on another branch as well. For Example if we committed an enhancement in a feature branch and want to do that on the other branches as well, we can use cherry pick to copy that commit onto the other branches as well. This is different compared to merge as in merge multiple commits are applied.

Git Command:

1. First make sure you are in the branch you want the commit to be copied to:
`git checkout main`
2. Then use the git checkout with the hash of the commit:
`git cherry-pick <commit-hash>`

```
Prem git-training-day-2-at-josh → (prem-jha-day-2-training) ♥ 13:01 git status
On branch prem-jha-day-2-training
You are currently cherry-picking commit dabdc8a.
(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)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   main.py

no changes added to commit (use "git add" and/or "git commit -a")
Prem git-training-day-2-at-josh → (prem-jha-day-2-training) ♥ 13:02 git add .
Prem git-training-day-2-at-josh → (prem-jha-day-2-training) ♥ 13:02 git commit -m "adding cherrypicking"
[prem-jha-day-2-training 33ea552] adding cherrypicking
Date: Thu Jan 5 10:38:27 2023 +0530
1 file changed, 2 insertions(+)
Prem git-training-day-2-at-josh → (prem-jha-day-2-training) ♥ 13:02 git log --oneline
33ea552 (HEAD -> prem-jha-day-2-training) adding cherrypicking
970f7ab Merge branch 'main' into prem-jha-day-2-training
5d6e07a (origin/main, origin/HEAD, main) Merge pull request #1 from bilal-ujede-at-josh/Viral-Patel-day-2-training
952feee Merge branch 'Viral-patel-day-2-training-02' into Viral-Patel-day-2-training
dabdc8a (origin/prem-jha-day-2-training) added new comments
b949e8c day2 trainig file 2
60835c8 adding new comments to main.py
c4ded2e traning day-2
869f7e2 Adding main.py
c399b70 Initial commit
Prem git-training-day-2-at-josh → (prem-jha-day-2-training) ♥ 13:02 git checkout prem-jha-day-2-02
Switched to branch 'prem-jha-day-2-02'
Prem git-training-day-2-at-josh → (prem-jha-day-2-02) ♥ 13:02 git cherry-pick 33ea552
Auto-merging main.py
[prem-jha-day-2-02 fb1b20c] adding cherrypicking
Date: Thu Jan 5 10:38:27 2023 +0530
1 file changed, 2 insertions(+)
```