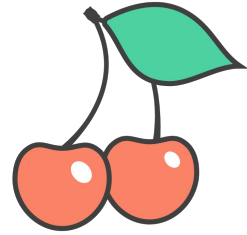# GIT GROUP ASSIGNMENT

Topic - Cherry-Picking

GROUP 11

AMAN VERMA
UTKARSH UPADHYAY
SAGAR GOEL
SHIVAM GUPTA
SONU KUMAR

Cherry-Picking Command

Cherry picking command is used to pick any git commit by using reference and append it to the working directory.

Basic Syntax -

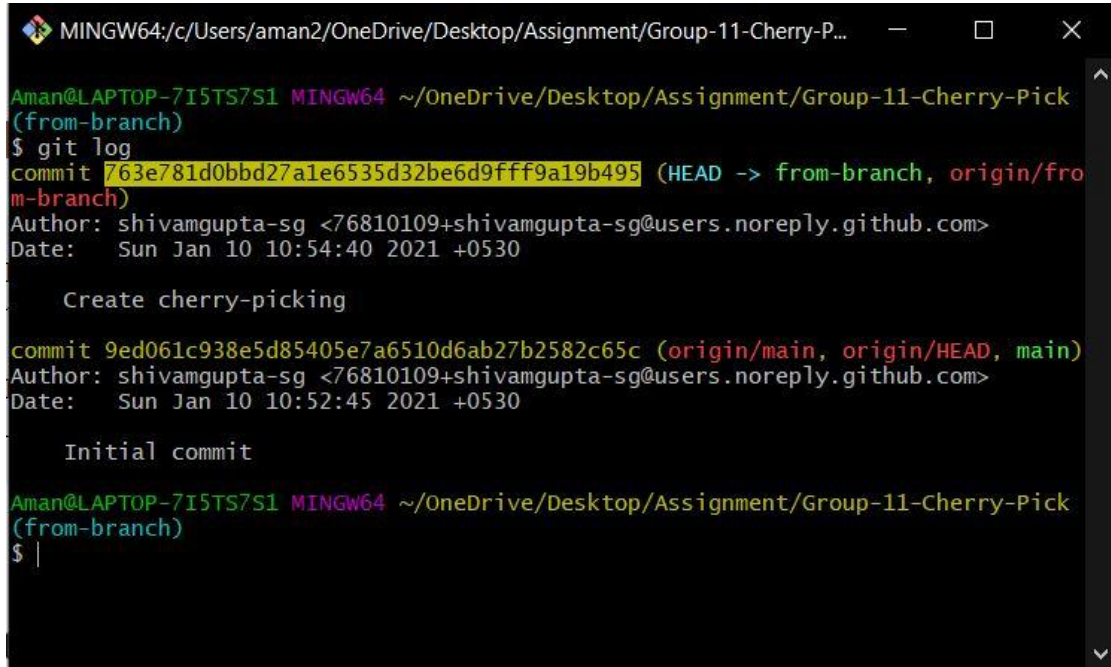**git cherry-pick <commit-reference>**

Why Cherry-Pick ?

- It can help in applying changes committed in wrong branch accidently.

- Apply some changes from other branch to your branch.

- If merge is not possible due to incompatible versions of the branches.

Steps for git cherry-pick

1. git checkout <branch name from which we have to pick commit from>.
2. git log - To get the commit reference of the commit you have to pick.
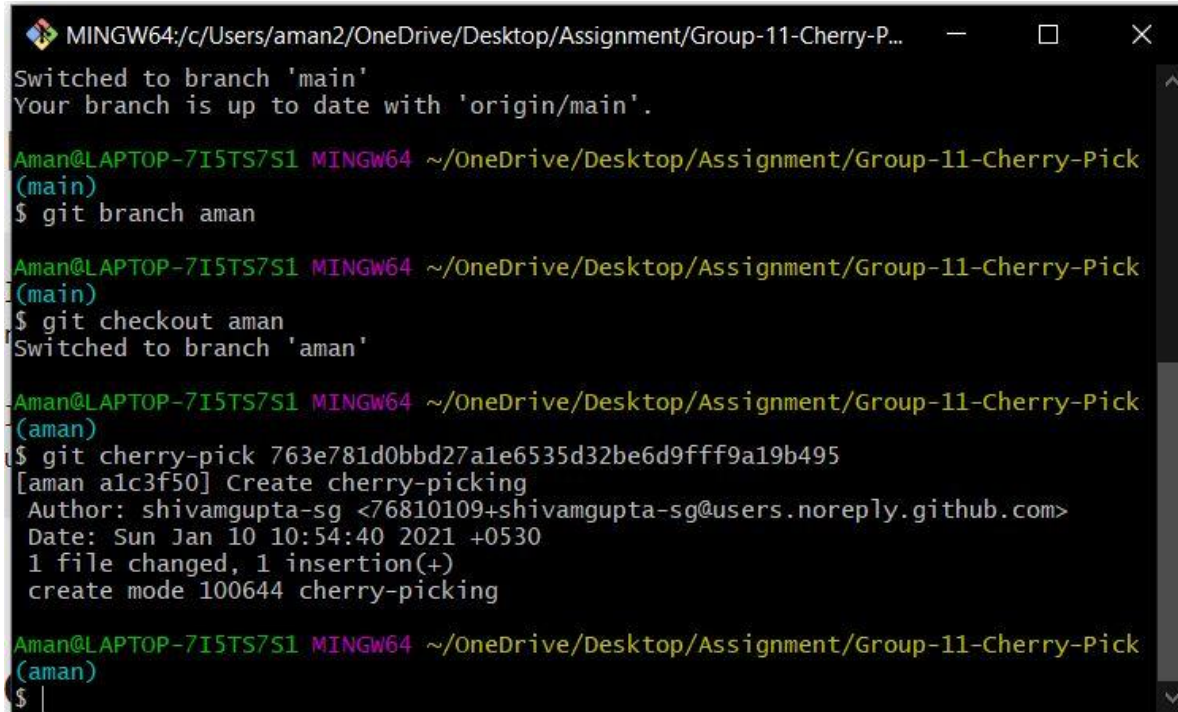3. git checkout <branch name to which commit has to be applied>.
4. git cherry-pick <commit reference>.

Getting the reference of commit

We can get the reference for commit by using <u>git log</u> command
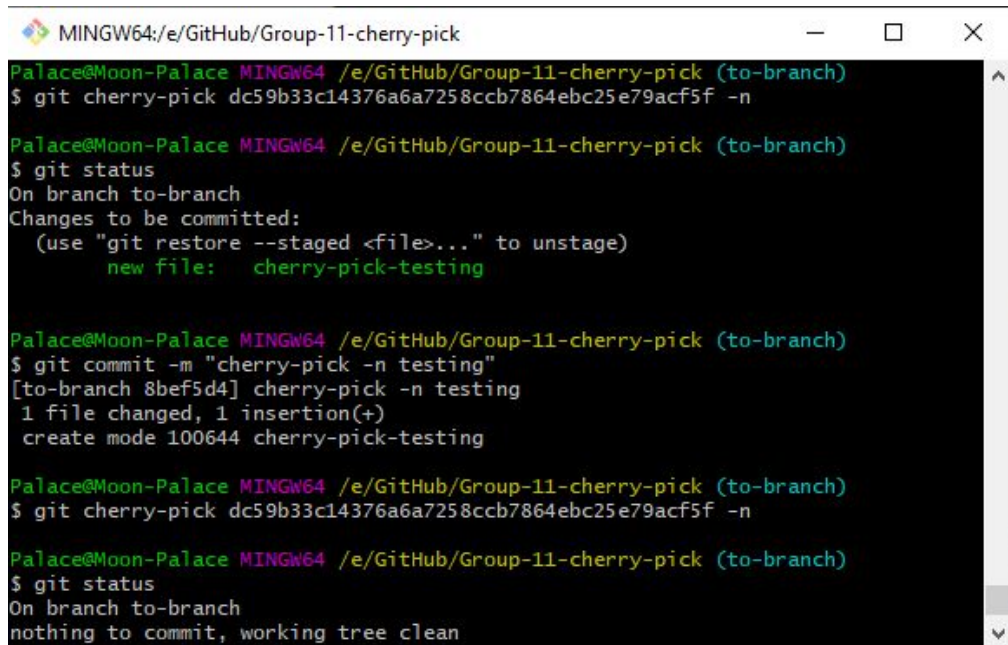
Example for cherry-pick

Other options in cherry-pick command

-n or --no-commit : Brings the changes of the commit to the staged area of current branch but no commit it.

-e or --edit : Lets you edit the commit message prior to commit.

-x : Appends a line "(cherry picked from commit ...)"to the original commit message, indicating from where commit is picked from. Only for the commits cherry-picked from public branch.

-n or --no-commit

-e or --edit

Git cherry-pick <code> --signoff

The "git cherry-pick <code> --signoff " command just add a line of signature of the person who make the changes after the commit message . (as shown in screenshot attached) .

Some Usage Of Cherry-Pick

1. We can avoid useless conflicts by using git cherry-pick instead of other options.
2. It is used to access the changes introduced to a sub-branch, without changing the branch.
3. Most of the time we use cherry-pick to restore the commits which we lost .
4. Sometimes for undoing the changes made we have to apply cherry-pick.

Link for the Group Repository

shivamgupta-sg/Group-11-Cherry-Pick: Git Group Assignment - Group 11 (github.com)