

Question 4

Step 1: Create a feature branch.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git branch feature3
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment>
```

Step 2: Switch to the new branch.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git checkout feature3
Switched to branch 'feature3'
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment>
```

open the file and make some changes to it.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git status
On branch feature3
Last command done (1 command done):
  pick 1227c8b q2.txt modified
No commands remaining.
You are currently editing a commit while rebasing branch 'feature' on 'f4129f8'.
  (use "git commit --amend" to amend the current commit)
  (use "git rebase --continue" once you are satisfied with your changes)

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:   q3.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment>
```

Add and commit the changes to the new branch.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git add .
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git commit -m "First commit in feature3"
[feature3 6e1d7c4] First commit in feature3
1 file changed, 1 insertion(+)
```

open the same file and make some changes to it.

Add and commit the changes to the new branch.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git add .
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git commit -m "Second commit in feature3"
[feature3 a786d58] Second commit in feature3
1 file changed, 1 insertion(+)
```

open the same file and make some changes to it.

Add and commit the changes to the new branch.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git add .
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git commit -m "Third commit in feature3"
```

Step 3: Identify the commit or commits that you want to "cherry-pick"(Note the hash of the commit or commits that you want to "cherry-pick")

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git log --oneline
a786d58 (HEAD -> feature3) Second commit in feature3
6f6a0a5 Second commit in feature3
6e1d7c4 First commit in feature3
```

Step 4: Use the "git checkout" command to switch to the branch where you want to apply the changes.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment>
```

Git Assign > git_assignment > q3.txt

Step 5: Use the "git cherry-pick" command followed by the commit hash(es) that you want to apply.

```
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git cherry-pick 6e1d7c4
Auto-merging q3.txt
CONFLICT (content): Merge conflict in q3.txt
error: could not apply 6e1d7c4... First commit in feature3
hint: After resolving the conflicts, mark them with
hint: "git add/rm <paths>", then run
hint: "git cherry-pick --continue".
hint: You can instead skip this commit with "git cherry-pick --skip".
hint: To abort and get back to the state before "git cherry-pick",
hint: run "git cherry-pick --abort".
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git add .
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment> git cherry-pick --continue
[main 1482a60] Cherry-Pick successful
Date: Sun Mar 10 22:45:02 2024 +0530
1 file changed, 1 insertion(+), 4 deletions(-)
PS C:\Users\KalaiArasanJ\Desktop\GIT_assign\git_assignment>
```