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Enrollment No: ADTU/1/2024-28/BCSS/003
Sub: Git & Git ops Assignment: 6

Experiment 6:Git Rebase

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ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass$  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass$ mkdir git-rebase  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass$ cd git-rebase  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ echo "Initial commit" > README.md  
git add README.md  
git commit -m "Initial commit"  
fatal: not a git repository (or any of the parent directories): .git  
fatal: not a git repository (or any of the parent directories): .git  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: is subject to change. To configure the initial branch name to use in all  
hint: of your new repositories, which will suppress this warning, call:  
hint:  
hint:     git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:     git branch -m <name>  
Initialized empty Git repository in /home/ringkhangbty/Documents/ThirdSem/Git_GitOps_Ass/git-rebase/.git/  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ echo "Initial commit" > README.md  
git add README.md  
git commit -m "Initial commit"  
[master (root-commit) 71bcc07] Initial commit  
1 file changed, 1 insertion(+)  
create mode 100644 README.md  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git checkout -b feature-branch  
Switched to a new branch 'feature-branch'  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ echo "print('Feature Branch Code')" > app.py  
git add app.py  
git commit -m "Add app.py with feature branch code"  
[feature-branch a71e721] Add app.py with feature branch code  
1 file changed, 1 insertion(+)  
create mode 100644 app.py  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git checkout master  
create mode 100644 app.py  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git checkout master  
Switched to branch 'master'  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ echo "print('Main Branch Code')" > app.py  
git add app.py  
git commit -m "Modify app.py on main branch"  
[master 6c6dffd] Modify app.py on main branch  
1 file changed, 1 insertion(+)  
create mode 100644 app.py  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git checkout feature-branch  
Switched to branch 'feature-branch'  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git rebase master  
Auto-merging app.py  
CONFLICT (add/add): Merge conflict in app.py  
error: could not apply a71e721... Add app.py with feature branch code  
hint: Resolve all conflicts manually, mark them as resolved with  
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".  
hint: You can instead skip this commit: run "git rebase --skip".  
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".  
Could not apply a71e721... Add app.py with feature branch code  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git add app.py  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git rebase --continue  
[detached HEAD 5c9d364] Add app.py with feature branch code  
1 file changed, 1 insertion(+)  
Successfully rebased and updated refs/heads/feature-branch.  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$ git log --oneline --graph --decorate  
* 5c9d364 (HEAD -> feature-branch) Add app.py with feature branch code  
* 6c6dffd (master) Modify app.py on main branch  
* 71bcc07 Initial commit  
ringkhangbty@ringkhang-HP:~/Documents/ThirdSem/Git_GitOps_Ass/git-rebase$
```