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**Enrollment No: ADTU/1/2024-28/BCSS/010**  
**Sub: Git & Git ops Assignment: 6**

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**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$
```