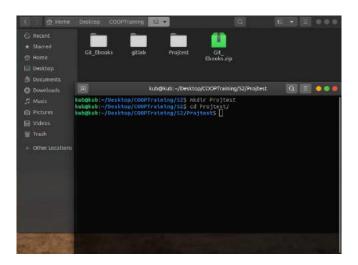
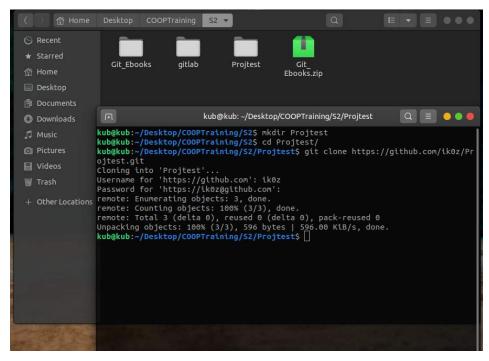
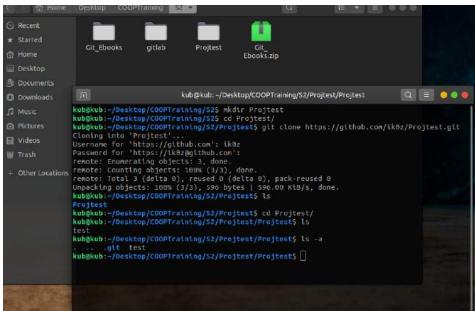


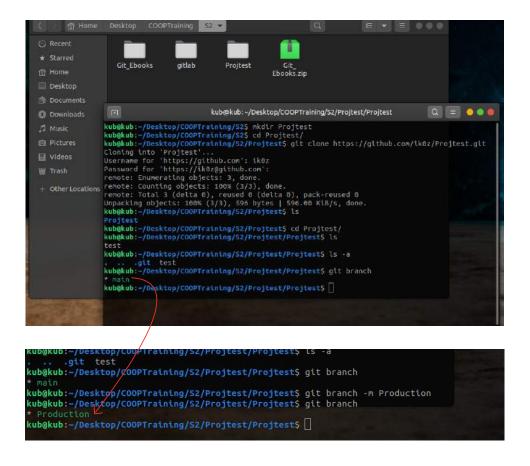
Khaled Mofdh AISHAMMRI

Email: i5irh.a@gmail.com

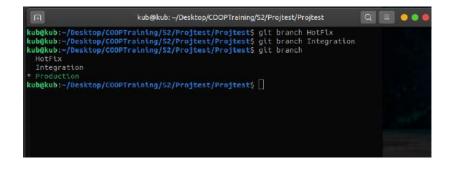








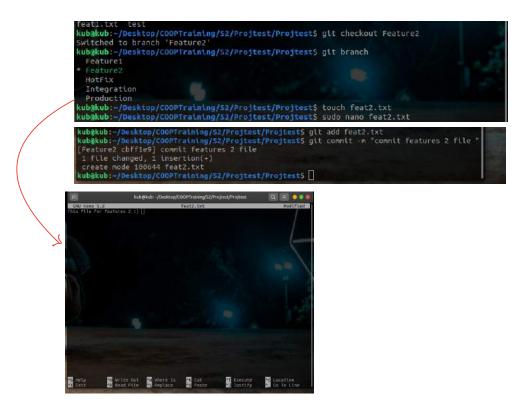
· Start with the Production branch (master branch), and then create a HotFix and Integration branch



· Subsequently, create Feature 1 and 2 branches that integrate to the Integration branch as shown in the above figure

```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout Integration
Switched to branch 'Integration'
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
'HotFix
* Integration
Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch Feature1
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch Feature2
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
Feature1
Feature2
HotFix
* Integration
Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$
```

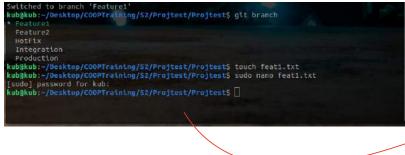
• Commit some changes in the Feature 2 branch and merge it into the Integration branch. Delete this branch once merging is complete

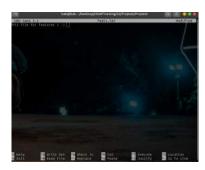


```
ub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
  Feature1
  Feature2
  HotFix
  Integration
  Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout Integration
Switched to branch 'Integration'
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
  Feature1
  Feature2
 HotFix
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git merge Feature2
Updating 521d07f..cbff1e9
ast-forward
feat2.txt | 1 +
1 file changed, 1 insertion(+)
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch -d Feature2
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$
```

· Commit some changes in the Feature 1 branch and rebase it to the Integration branch





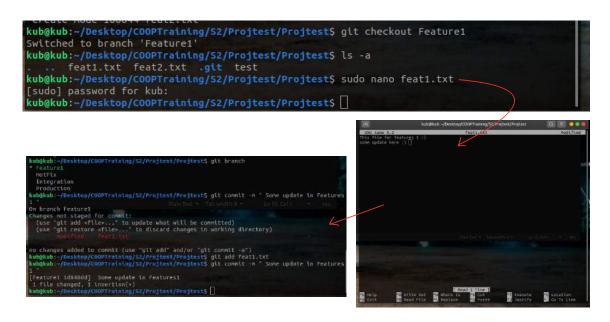


```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout Feature1
Switched to branch 'Feature1'
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
* Feature1
HotFix
Integration
Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git rebase Integration
Successfully rebased and updated refs/heads/Feature1.
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ []
```

· Merge the Integration branch into Hotfix and Production branch to update these branches

```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
 Feature1
 HotFix
 Integration
 Production
kub@kub:~/Desktop/COOPTraining/52/Projtest/Projtest$ git merge Integration
Updating 521d07f..cbff1e9
Fast-forward
 feat2.txt | 1 +
 1 file changed, 1 insertion(+)
create mode 100644 feat2.txt
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout Production
Switched to branch 'Production
Your branch is up to date with 'origin/main'.
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
 HotFix
 Integration
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git merge Integration
Updating 521d07f..cbff1e9
 1 file changed, 1 insertion(+)
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$
```

• Commit some changes in Feature 1 branch, and then merge it into Integration, Hotfix, and Production branch. Delete this branch once merging is complete



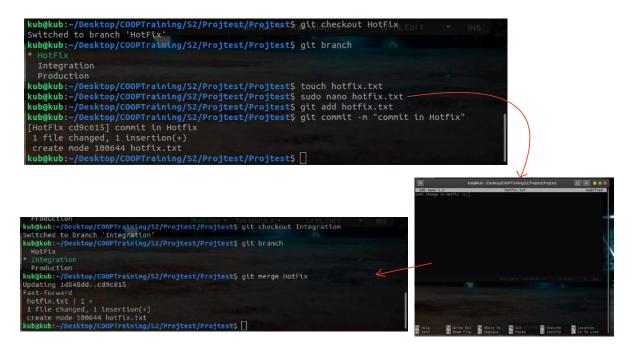


```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout HotFix coll
Switched to branch 'HotFix'
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
Feature1
* HotFix
Integration
Production
Rub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git merge Feature1
Updating cbffle9..1d848dd
Fast-forward
feat1.txt | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 feat1.txt
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git check
```

```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git checkout Production
Switched to branch 'Production'
Your branch is ahead of 'origin/main' by placommit. Tab width: 8 * Ln 10, Col 1 * INS
  (use "git push" to publish your local commits)
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
Feature1
HotFix
Integration
* Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git merge Feature1
Updating cbffie9..1d848dd
Fast-forward
feat1.txt | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 feat1.txt
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ []
```

```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch -d Feature1
Deleted branch Feature1 (was 1d848dd).
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$
```

· Commit some changes in the Hotfix branch and merge it into the Production as well as the Integration branch



```
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git branch
HotFix
Integration
* Production
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$ git merge HotFix
Updating 1d848dd..cd9c615
Fast-forward
hotfix.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 hotfix.txt
kub@kub:~/Desktop/COOPTraining/S2/Projtest/Projtest$
```