

**(TEAM - 4)****Step 1: Working on GitHub Remote Repository.**

Each team member pulls the Java file from the given correspondent Team GitHub repository.

Each team member will add two methods into that same java file and commit it locally.

Each team member will push back the same java file from the local repository to the correspondent Team GitHub repository.

Note : If there is a conflict, then take the latest version from the remote repository, Commit and push back it again.

Each team member will work on any one of the same methods together by commenting on the existing code and adding their own codes. And commit and push back again.

Make a pull request and assign any one of the other team members as reviewer . The reviewer will review the code and add some comments on it.

Finally merge with the main repository and close the pull request.

Ans:

**1) Get remote repository Added by local repository:**

```
MINGW64/d/premm
premm.mariyappan@RLP1860 MINGW64 /d
$ cd D:\premm\
>

premm.mariyappan@RLP1860 MINGW64 /d/premm
$ git init
Initialized empty Git repository in D:/premm/.git/

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ git remote add origin "https://github.com/senathipathiks/2023_Java_Batch3_Team4.git"

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ git remote -v
origin https://github.com/senathipathiks/2023_Java_Batch3_Team4.git (fetch)
origin https://github.com/senathipathiks/2023_Java_Batch3_Team4.git (push)

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ git pull origin main
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 12 (delta 3), reused 11 (delta 2), pack-reused 0
Unpacking objects: 100% (12/12), 1.59 KiB | 11.00 KiB/s, done.
From https://github.com/senathipathiks/2023_Java_Batch3_Team4
* branch      main       -> FETCH_HEAD
* [new branch] main       -> origin/main

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ ls
MyClass.java

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ git branch main

premm.mariyappan@RLP1860 MINGW64 /d/premm (master)
$ git checkout main
Switched to branch "main"

premm.mariyappan@RLP1860 MINGW64 /d/premm (main)
$ ls
MyClass.java

premm.mariyappan@RLP1860 MINGW64 /d/premm (main)
$ vi MyClass.java

premm.mariyappan@RLP1860 MINGW64 /d/premm (main)
$ git add MyClass.java

premm.mariyappan@RLP1860 MINGW64 /d/premm (main)
$ git push origin main
Everything up-to-date
```

## 2) Once the Push is Done by teammate warning to pull the file again

```
MINGW64:/d/premm
premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ git push origin master
To https://github.com/senathipathiks/2023_Java_Batch3_Team4.git
 ! [rejected]        master -> master (Fetch First)
error: failed to push some refs to 'https://github.com/senathipathiks/2023_Java_Batch3_Team4.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ git pull origin main
From https://github.com/senathipathiks/2023_Java_Batch3_Team4
 * branch      main       -> FETCH_HEAD
Already up to date.

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ ls
MyClass.java

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ |
```

## 3) Push and edit the the files from the repository

```
MINGW64:/d/premm
premm.mariyappan@RPL1860 MINGW64 /d/premm (master)
$ git pull origin main
From https://github.com/senathipathiks/2023_Java_Batch3_Team4
 * branch      main       -> FETCH_HEAD
Already up to date.

premm.mariyappan@RPL1860 MINGW64 /d/premm (master)
$ git switch main
Switched to branch 'main'
M
  MyClass.java

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ vi MyClass.java

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ git add MyClass.java

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ git commit -m"Committed by premm"
[main 7519963] Committed by premm
1 file changed, 4 insertions(+), 1 deletion(-)

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$ git push origin main
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 12 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (12/12), 1.21 KiB | 414.00 KiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/senathipathiks/2023_Java_Batch3_Team4.git
 Sae292c..7519963  main -> main

premm.mariyappan@RPL1860 MINGW64 /d/premm (main)
$
```

## 4) Finally push and create the pull request

The screenshot shows a GitHub Pull Request #4 titled "Committed by Prem #4". The pull request is from the `Prem` branch to the `master` branch. It shows a commit by Prem with the hash `44bcfd2`. A review has been requested by Prem4314 from Ranjitha-R-Ram. The pull request is in the "Review requested" state. A message indicates that the branch has conflicts that must be resolved, specifically in the file `MyClass.java`. The right sidebar shows various settings like Assignees, Labels, Projects, Milestone, and Notifications. The bottom section has a "Add a comment" area with a text input and a "Comment" button.

## 5) Finally merge by the Teammate

The screenshot shows the same GitHub Pull Request #4, but now it is in the "Merged" state. A message indicates that the pull request has been successfully merged and closed. The right sidebar shows the "Milestone" and "Development" sections. The bottom section has a "Add a comment" area with a text input and a "Comment" button. The footer of the page includes the GitHub logo, copyright information, and links to Terms, Privacy, Security, Status, Docs, Contact, and Manage cookies.

## Step 2: Working on Bitbucket Remote Repository.

Each team member pulls the Java file from the given correspondent Team Bitbucket repository.

Each team member will add two methods into that same java file and commit it locally.

Each team member will push back the same java file from the local repository to the corresponding Team Bitbucket repository.

Note : If there is a conflict, then take the latest version from the remote repository, Commit and push back it again.

Each team member will work on any one of the same methods together by commenting on the existing code and adding their own codes. And commit and push back again.

Make a pull request and assign any one of the other team members as reviewer . The reviewer will review the code and add some comments on it.

Finally merge with the main repository and close the pull request

Ans:

### 1) Add the remote repository of bit bucket to local repository

```
MINGW64/d/BGroup
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git init
Reinitialized existing Git repository in D:/BGroup/.git/
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git remote add origin "https://Prem4314@bitbucket.org/git-group-assessment/gitassessment.git"
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git pull origin
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 7 (delta 3), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), 2.08 KiB | 42.00 KiB/s, done.
From https://bitbucket.org/git-group-assessment/gitassessment
* [new branch]      master -> origin/master
You asked to pull from the remote 'origin', but did not specify
a branch. Because this is not the default configured remote
for your current branch, you must specify a branch on the command line.
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ ls
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git pull origin master
From https://bitbucket.org/git-group-assessment/gitassessment
* branch            master -> FETCH_HEAD
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ ls
MyClass.java  README.md
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git branch Prem
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (master)
$ git checkout Prem
Switched to branch 'Prem'
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (Prem)
$ la
bash: la: command not found
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (Prem)
$ ls
MyClass.java  README.md
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (Prem)
$ vi MyClass.java
premi.mariyappan@RPL1860 MINGW64 /d/BGroup (Prem)
$ git add MyClass.java
```

## 2) Pull the file from the remote repository

```
prem.mariyappan@RLP1860 MINGW64 /d/BGroup (master)
$ ls

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (master)
$ git pull origin master
From https://bitbucket.org/git-group-assessment/gitassessment
* branch          master       -> FETCH_HEAD

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (master)
$ ls
MyClass.java  README.md

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (master)
$ git branch Prem

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (master)
$ git checkout Prem
Switched to branch 'Prem'

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ la
bash: la: command not found

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ ls
MyClass.java  README.md

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ vi MyClass.java

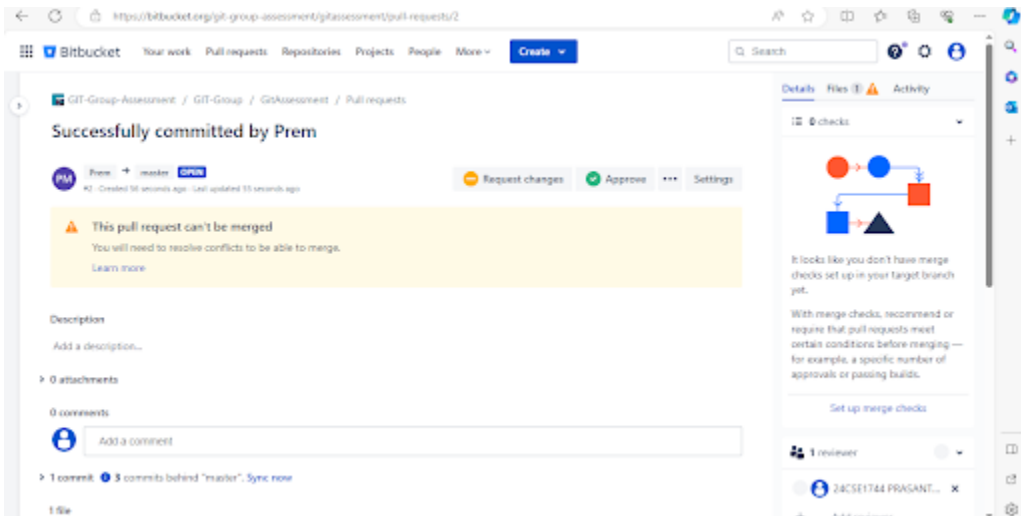
prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ git add MyClass.java

prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ git commit -m"Successfully committed by Prem"
[Prem e11b920] Successfully committed by Prem
1 file changed, 4 insertions(+)
```

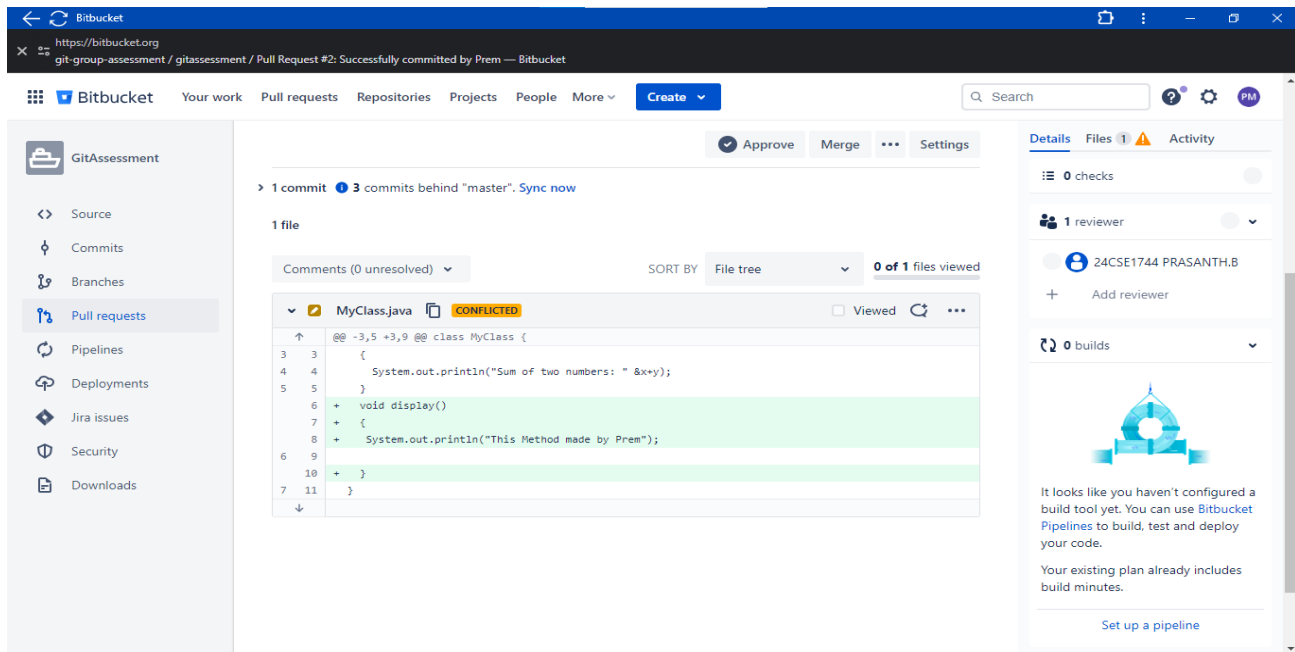
## 3) Edit the file and Push to Remote repository

```
prem.mariyappan@RLP1860 MINGW64 /d/BGroup (Prem)
$ git push origin Prem
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 2.43 KiB | 830.00 KiB/s, done.
Total 10 (delta 2), reused 0 (delta 0), pack-reused 0
remote:
remote: Create pull request for Prem:
remote:  https://bitbucket.org/git-group-assessment/gitassessment/pull-requests/new?source=Prem&t=1
remote:
To https://bitbucket.org/git-group-assessment/gitassessment.git
* [new branch]      Prem -> Prem
```

#### 4) After pushed created a pull request to the teammates



#### 5) Reflect resolved when tried to merge branch with main



## 6) Finally Merged with Main remote repository

The screenshot shows the Bitbucket web interface for the 'GitAssessment' repository. The browser address bar shows 'https://bitbucket.org/git-group-assessment / Pull requests — Bitbucket'. The top navigation bar includes 'Your work', 'Pull requests', 'Repositories', 'Projects', 'People', and 'More', along with a 'Create' button and a search bar. The left sidebar lists repository features: Source, Commits, Branches, Pull requests (selected), Pipelines, Deployments, Jira issues, Security, and Downloads. The main content area is titled 'Pull requests' and shows a summary of a pull request. The summary indicates that the pull request was 'Successfully committed by Prem' from the 'Prem' branch to the 'master' branch. The pull request was created 1 hour ago and updated 1 hour ago. The pull request is currently in the 'Open' state. The 'Activity' tab is selected, showing a list of activities. The 'Reviewers' and 'Builds' tabs are also visible. The pull request is associated with the user 'PM'.

Bitbucket

https://bitbucket.org/git-group-assessment / Pull requests — Bitbucket

GitAssessment

Source

Commits

Branches

Pull requests

Pipelines

Deployments

Jira issues

Security

Downloads

GIT-Group-Assessment / GIT-Group / GitAssessment

Pull requests

Create pull request

Search pull requests

Open

Author

Target branch

I'm reviewing

Sort by: Last updated

Summary

Activity

Reviewers

Builds

PM

Successfully committed by Prem

Prem → master

Prem M - #2, created 1 hour ago, updated 1 hour ago