



## GIT Exam



### Basic Start-up Practice:

**Step 01:** Received the repository invitation on mail.

@Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf plus @fahimulalam176

@Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf has invited you to collaborate on the Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized repository

You can [accept](#) or [decline](#) this invitation. You can also head over to <https://github.com/Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized> to check out the repository or visit [@Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf](#) to learn a bit more about them.

This invitation will expire in 7 days.

[View invitation](#)

**Note:** This invitation was intended for [fahimul.alam@bjitacademy.com](mailto:fahimul.alam@bjitacademy.com). If you were not expecting this invitation, you can ignore this email. If [@Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf](#) is sending you too many emails, you can [block them](#) or [report abuse](#).

**Step 02:** The invitation link forwards to github page for accepting the invitation.

Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf / Team-Unauthorized

Search Type to search

code Issues Pull requests Actions Projects Security Insights

[Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf](#) + [fahimul.alam](#) invited you to collaborate on Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized

[Accept invitation](#) [Decline invitation](#)

Owners of Team-Unauthorized will be able to see:

- Your public profile information
- [Certain activity](#) within this repository
- Country of request origin
- Your access level for this repository
- Your IP address



## GIT Exam



**Step 03:** Created a work directory folder and checked pwd from Git Bash.

```
MINGW64:/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ pwd
/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$
```

**Step 04:** For good practice, checking the current situation of the pwd with **\$ git status**

```
MINGW64:/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ pwd
/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ git status
fatal: not a git repository (or any of the parent directories): .git

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$
```



## GIT Exam



**Step 05:** Checking the global config list with `$ git config -- list`

```
MINGW64:/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
core.editor=code --wait
user.name=Fahimul Alam
user.mail=fahimul.alam@bjitacademy.com
user.email=fahimul.alam@bjitacademy.com

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$
```

**Step 06:** Checking the ssh key connection with GitHub

```
MINGW64:/e/Git/GIT Exam

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ ssh -T git@github.com
Hi fahimulalam176! You've successfully authenticated, but GitHub does not provide shell access.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$
```

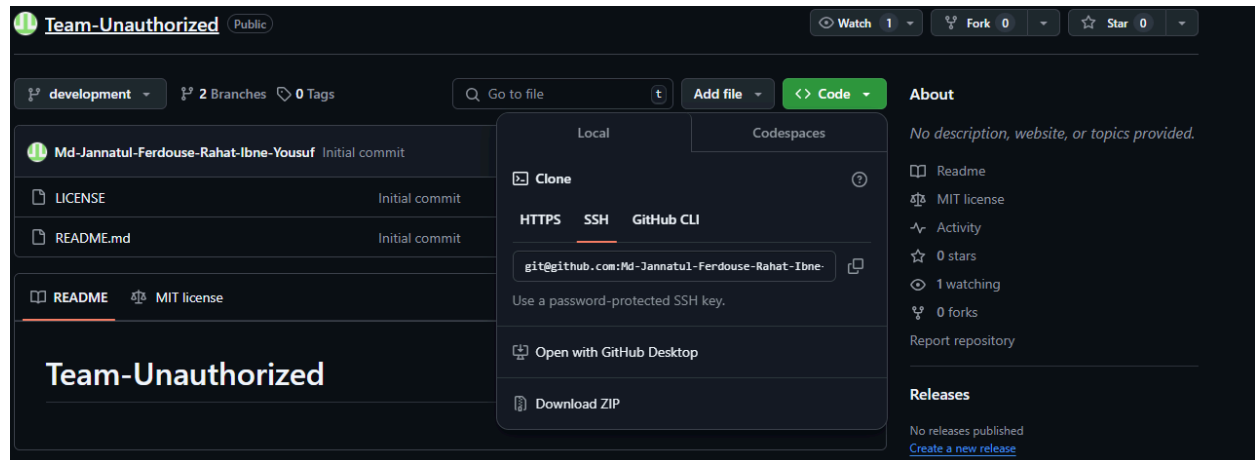


## GIT Exam

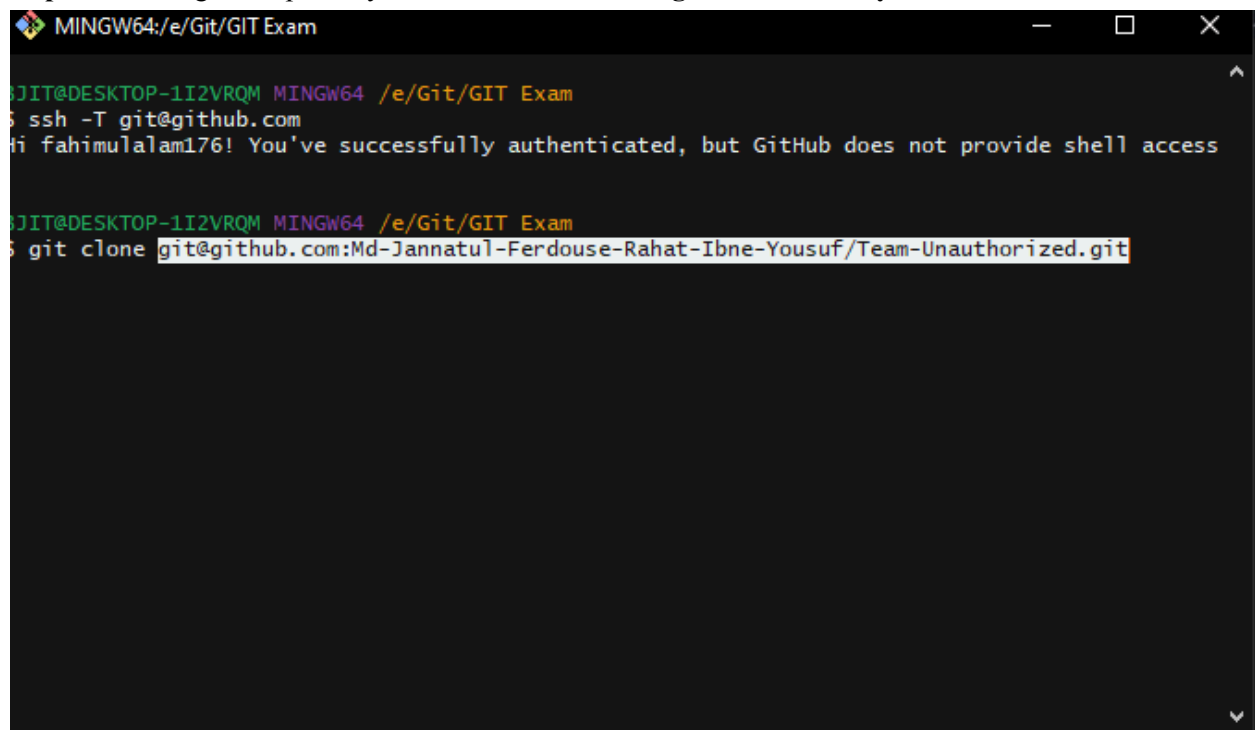


### Main Project Set-Up:

Step 07: Copying the SSH key of our team repo.



Step 08: Cloning our repository in local machine with \$ **git clone <ssh key>**





## GIT Exam

**Step 09:** Successfully cloned and Our Working Folder has been created.

```
Team-Unauthorized 11/25/2024 1:54 PM File folder

MINGW64:/e/Git/GIT Exam
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ ssh -T git@github.com
Hi fahimulalam176! You've successfully authenticated, but GitHub does not provide shell access.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ git clone git@github.com:Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized.git
Cloning into 'Team-Unauthorized'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam
$ |
```

**Step 10:** Checking the pwd status and branch with `$ git status` and `$ git branch`

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ git status
On branch development
Your branch is up to date with 'origin/development'.

nothing to commit, working tree clean

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ git branch
* development

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ |
```



## GIT Exam

**Step 11:** Creating and switching to my local branch *task3branch* with `$ git checkout -b task2branch`

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ git checkout -b task2branch
Switched to a new branch 'task2branch'

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ |
```

**Step 12:** Checking if I am in the correct branch before starting on my project.

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ git checkout -b task2branch
Switched to a new branch 'task2branch'

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git branch
  development
* task2branch

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$
```



## GIT Exam



**Step 13:** After I have completed my task on ReadMe.md, I have checked the status of my current local repository.

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git status
On branch task2branch
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ |
```

**Step 14:** I have added my updated files to the staging area with **\$ git add .**

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git status
On branch task2branch
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git add .
BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$
```



## GIT Exam



**Step 15:** I have committed the files to the local repository with `$ git commit`

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git status
On branch task2branch
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git add .

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git commit -m "Complete Task 3"
[task2branch 2ab0df0] Complete Task 3
 1 file changed, 29 insertions(+), 1 deletion(-)

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$
```

**Step 16:** Checked my current status

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

$ git status
On branch task2branch
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git add .

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git commit -m "Complete Task 3"
[task2branch 2ab0df0] Complete Task 3
 1 file changed, 29 insertions(+), 1 deletion(-)

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git status
On branch task2branch
nothing to commit, working tree clean

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$
```





## GIT Exam



**Step 17:** Checked to development branch for making pull request

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$
```

**Step 18:** Pulled current repository by \$ git pull origin main

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$ git pull origin development
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 7 (delta 1), reused 3 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (7/7), 2.90 KiB | 114.00 KiB/s, done.
From github.com:Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized
 * branch          development -> FETCH_HEAD
   1f6f44d..36ad562 development -> origin/development
Updating 1f6f44d..36ad562
Fast-forward
 README.md | 48 ++++++
 1 file changed, 47 insertions(+), 1 deletion(-)

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (development)
$
```



## GIT Exam



Step 19: Using git cherry-pick with the commit log

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git branch
  development
* task2branch
  task2branchtest

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git checkout task2branchtest
Switched to branch 'task2branchtest'

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest)
$ git cherry-pick 2ab0df0
```

Step 20: Local conflict found

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized

  development
* task2branch
  task2branchtest

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branch)
$ git checkout task2branchtest
Switched to branch 'task2branchtest'

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest)
$ git cherry-pick 2ab0df0
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply 2ab0df0... Complete Task 3
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".
hint: Disable this message with "git config advice.mergeConflict false"

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git cherry-pick --continue
```



## GIT Exam

**Step 21:** I used cherry-pick continue before git add. After resolving the issue

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply 2ab0df0... Complete Task 3
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".
hint: Disable this message with "git config advice.mergeConflict false"

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git cherry-pick --continue
U      README.md
error: Committing is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git add .
```

**Step 22:** After adding the resolved file and using cherry-pick continue

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
hint: Disable this message with "git config advice.mergeConflict false"

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git cherry-pick --continue
U      README.md
error: Committing is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git add .

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest|CHERRY-PICKING)
$ git cherry-pick --continue
[task2branchtest 60f4f93] Doc (README) : Add Development Technology
Date: Mon Nov 25 14:43:02 2024 +0600
1 file changed, 31 insertions(+)

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest)
$ |
```



## GIT Exam



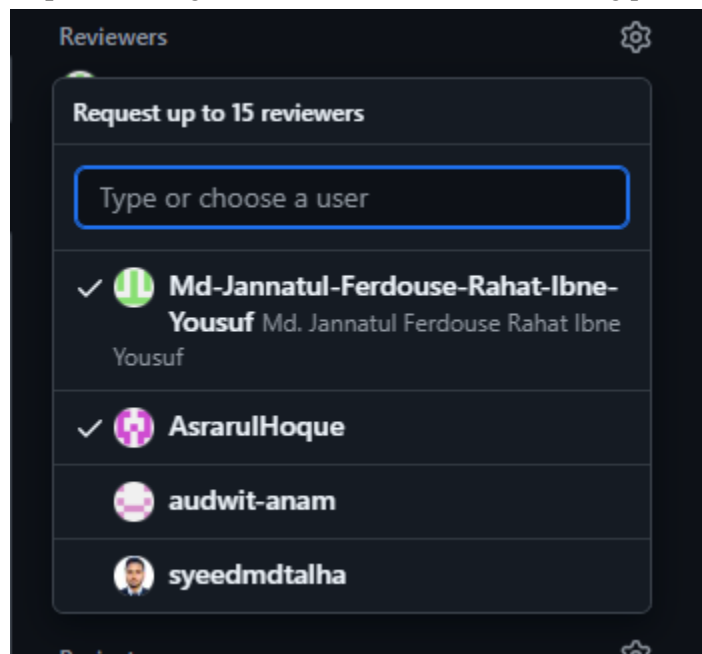
**Step 23:** Successfully pushing my current branch to the remote repository

```
MINGW64:/e/Git/GIT Exam/Team-Unauthorized
[task2branchtest 60f4f93] Doc (README) : Add Development Technology
Date: Mon Nov 25 14:43:02 2024 +0600
1 file changed, 31 insertions(+)

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest)
$ git push -u origin task2branchtest
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1010 bytes | 1010.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'task2branchtest' on GitHub by visiting:
remote:   https://github.com/Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized/pu
ll/new/task2branchtest
remote:
To github.com:Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf/Team-Unauthorized.git
 * [new branch]      task2branchtest -> task2branchtest
branch 'task2branchtest' set up to track 'origin/task2branchtest'.

BJIT@DESKTOP-1I2VRQM MINGW64 /e/Git/GIT Exam/Team-Unauthorized (task2branchtest)
$ |
```

**Step 24:** Adding reviewer from GitHub and creating pull request





## GIT Exam



Step 25: Pull Request Completed Successfully

### Doc (README) : Add Development Technology #2

Merged


Md-Jannatul-Fer... merged 1 commit into `development` from `task2branchtest` 10 minutes ago

Conversation 0

Commits 1

Checks 0


Files changed 1





fahimulalam176 commented 11 minutes ago

Collaborator ...


Please Review my added features






 Doc (README) : Add Development Technology

60f4f93



 fahimulalam176 requested review from **Md-Jannatul-Ferdouse-Rahat-Ibne-Yousuf**, **AsrarulHoque** and **audwit-anam**

11 minutes ago