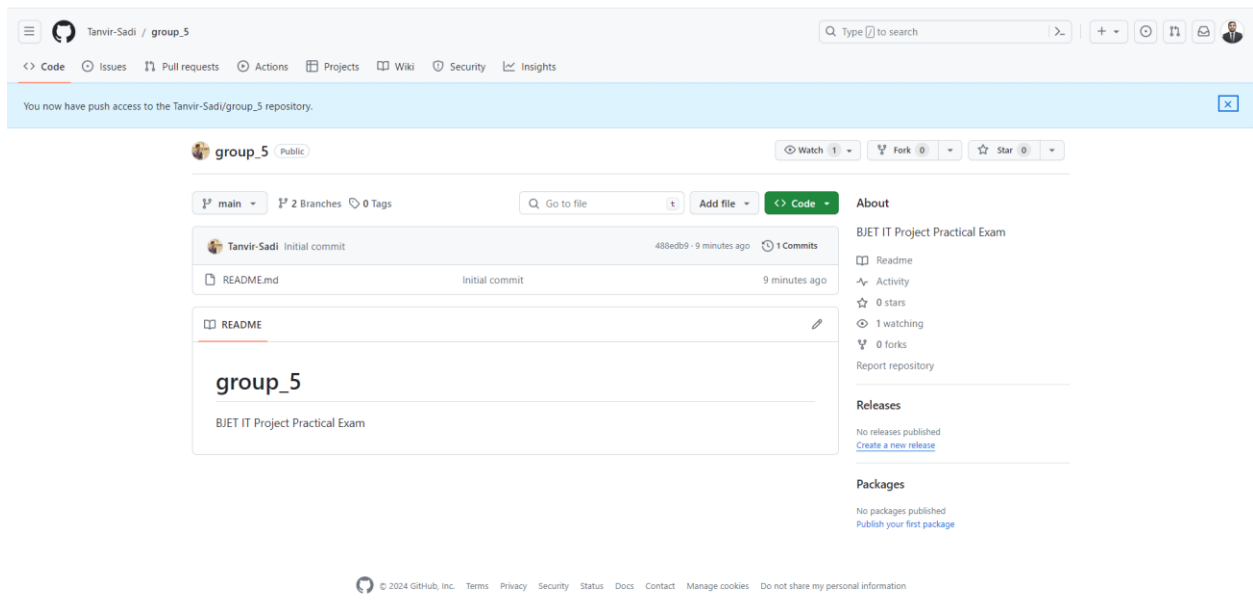
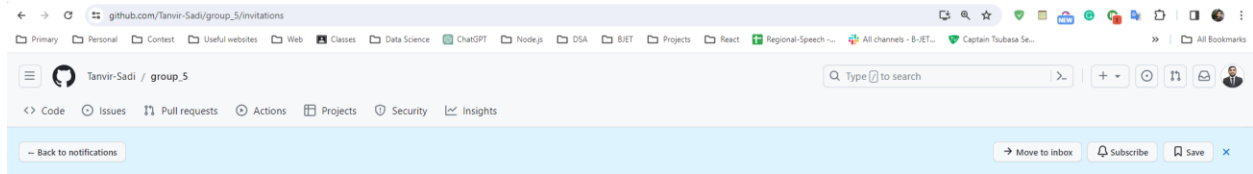


# Git and GitHub Practical Exam

## Group Member 5 Task: Yusha Abdullah BB13034



```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project
$ ssh-keygen -t rsa -b 4096 -C "yusha814@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Izo/.ssh/id_rsa):
Created directory '/c/Users/Izo/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Izo/.ssh/id_rsa
Your public key has been saved in /c/Users/Izo/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:/698VoQk4KQbccLM2bPPVh9RtrvLxyKD7b0P28ZBM4c yusha814@gmail.com
The key's randomart image is:
```

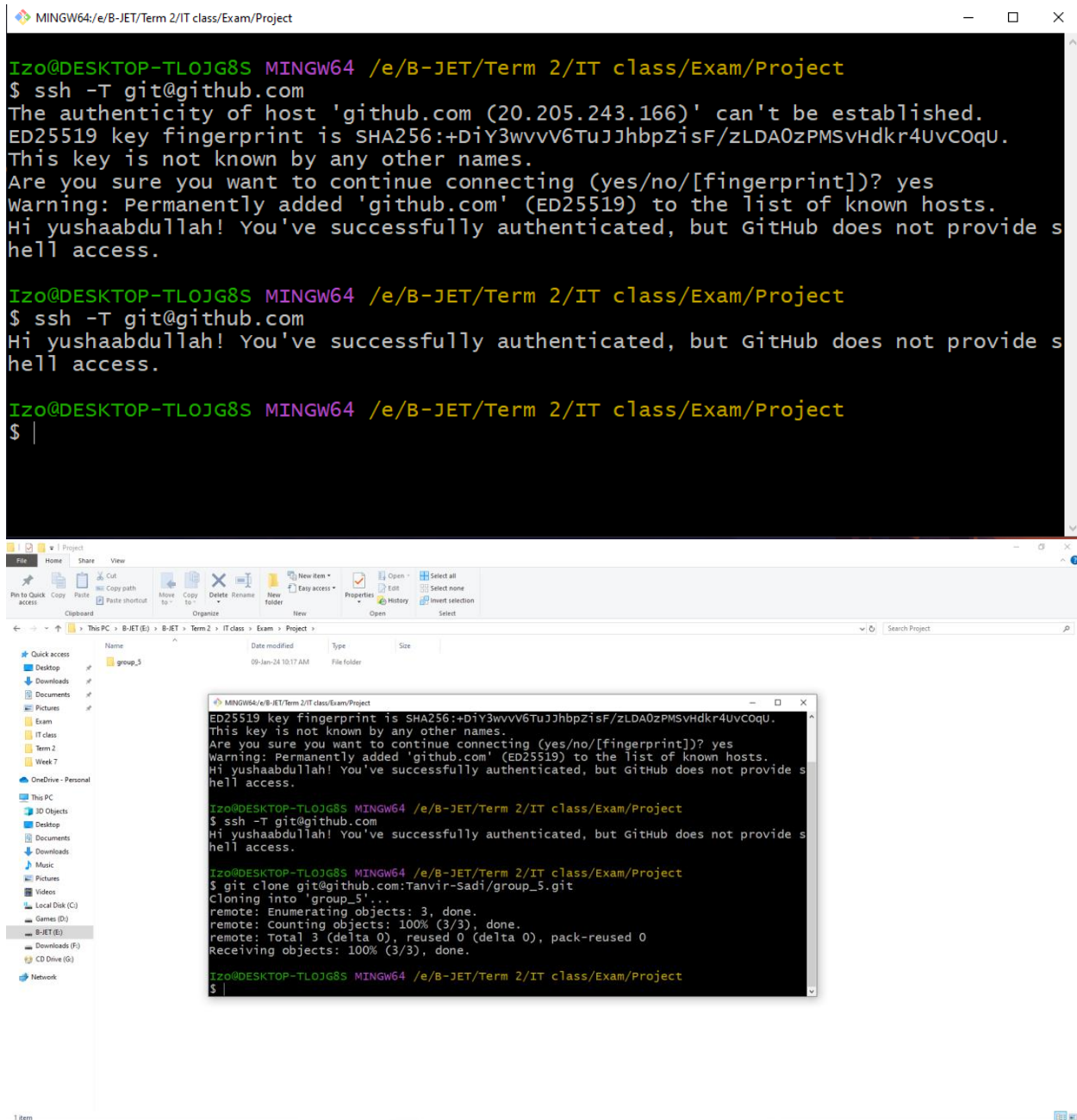
```
+---[RSA 4096]-----+
|           +oo+.      +|
|          =Bo . .o. |
|           o .o o +. |
|           o.      E=+|
|          S  o  ..+=|
|           .  +  .+|
|           .+  .=. |
|           .o+. =+* |
|           . =B=B+ |
+-----[SHA256]-----+
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project
$ ^[[200~eval "$(ssh-agent -s)"
bash: $'\E[200~eval': command not found
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project
$ eval "$(ssh-agent -s)"
Agent pid 111
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project
$ ssh-add ~/.ssh/id_rsa
Identity added: /c/Users/Izo/.ssh/id_rsa (yusha814@gmail.com)
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project
$ |
```



```
The authenticity of host 'github.com (20.205.243.166)' can't be established.  
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.  
Hi yushaabdullah! You've successfully authenticated, but GitHub does not provide s  
hell access.
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project  
$ ssh -T git@github.com  
Hi yushaabdullah! You've successfully authenticated, but GitHub does not provide s  
hell access.
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project  
$ git clone git@github.com:Tanvir-Sadi/group_5.git  
Cloning into 'group_5'...  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Receiving objects: 100% (3/3), done.
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project  
$ cd group_5/
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)  
$ git status  
On branch main  
Your branch is up to date with 'origin/main'.  
  
nothing to commit, working tree clean
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)  
$ git branch  
* main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)  
$ git branch -a  
* main  
remotes/origin/HEAD -> origin/main  
remotes/origin/development  
remotes/origin/main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)  
$ |
```

```
$ cd group_5/
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git status
```

```
On branch main
```

```
Your branch is up to date with 'origin/main'.
```

```
nothing to commit, working tree clean
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git branch
```

```
* main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git branch -a
```

```
* main
```

```
remotes/origin/HEAD -> origin/main
```

```
remotes/origin/development
```

```
remotes/origin/main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ |
```

MINGW64:/e/B-JET/Term 2/IT class/Exam/Project/group\_5

```
$ cd group_5/
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git status
```

```
On branch main
```

```
Your branch is up to date with 'origin/main'.
```

```
nothing to commit, working tree clean
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git branch
```

```
* main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git branch -a
```

```
* main
```

```
remotes/origin/HEAD -> origin/main
```

```
remotes/origin/development
```

```
remotes/origin/main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (main)
```

```
$ git checkout development
```

```
Switched to a new branch 'development'
```

```
branch 'development' set up to track 'origin/development'.
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (development)
```

```
$ git branch -a
```

```
* development
```

```
main
```

```
remotes/origin/HEAD -> origin/main
```

```
remotes/origin/development
```

```
remotes/origin/main
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (development)
```

```
$ git pull origin development
```

```
From github.com:Tanvir-Sadi/group_5
```

```
* branch      development -> FETCH_HEAD
```

```
Already up to date.
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (development)
```

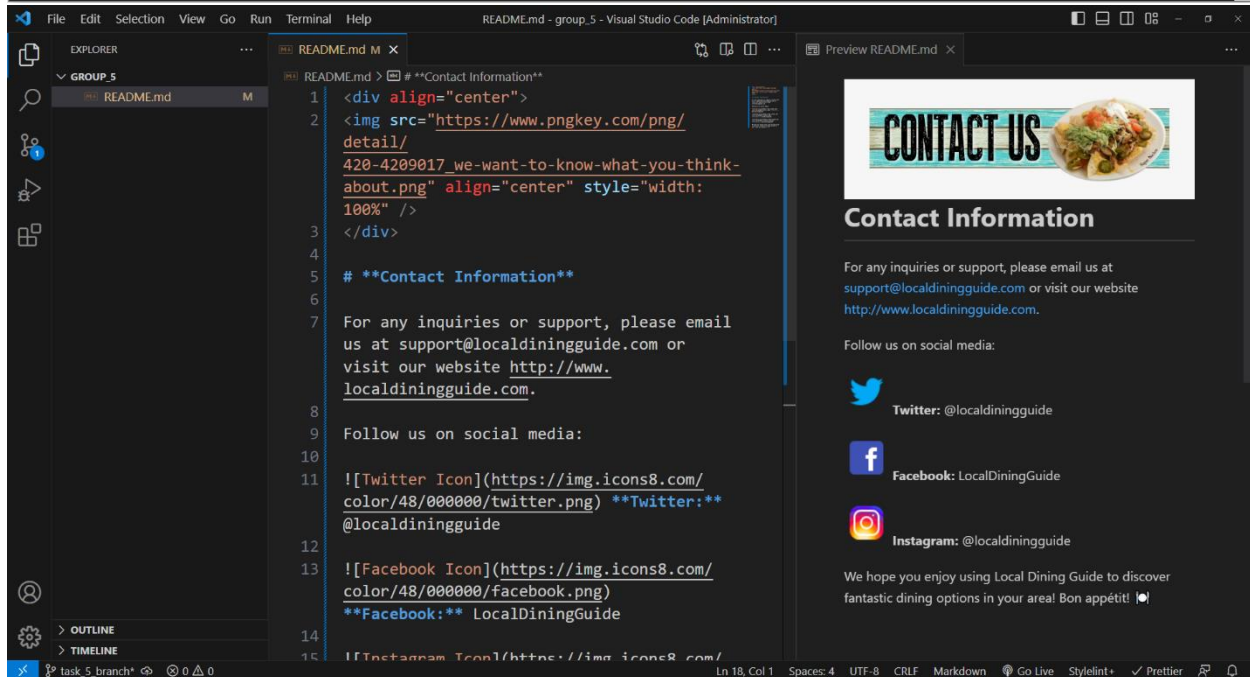
```
$ |
```

```
MINGW64:/e/B-JET/Term 2/IT class/Exam/Project/group_5
$ git branch -a
* development
main
remotes/origin/HEAD -> origin/main
remotes/origin/development
remotes/origin/main

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (development)
$ git pull origin development
From github.com:Tanvir-Sadi/group_5
* branch                development -> FETCH_HEAD
Already up to date.

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (development)
$ git checkout -b task_5_branch
Switched to a new branch 'task_5_branch'

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$
```



MINGW64:/e/B-JET/Term 2/IT class/Exam/Project/group\_5

Switched to a new branch 'development'  
branch 'development' set up to track 'origin/development'.

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (development)

```
$ git branch -a
* development
  main
remotes/origin/HEAD -> origin/main
remotes/origin/development
remotes/origin/main
```

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (development)

```
$ git pull origin development
From github.com:Tanvir-Sadi/group_5
 * branch                development -> FETCH_HEAD
Already up to date.
```

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (development)

```
$ git checkout -b task_5_branch
Switched to a new branch 'task_5_branch'
```

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (task\_5\_branch)

```
$ git status
On branch task_5_branch
nothing to commit, working tree clean
```

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (task\_5\_branch)

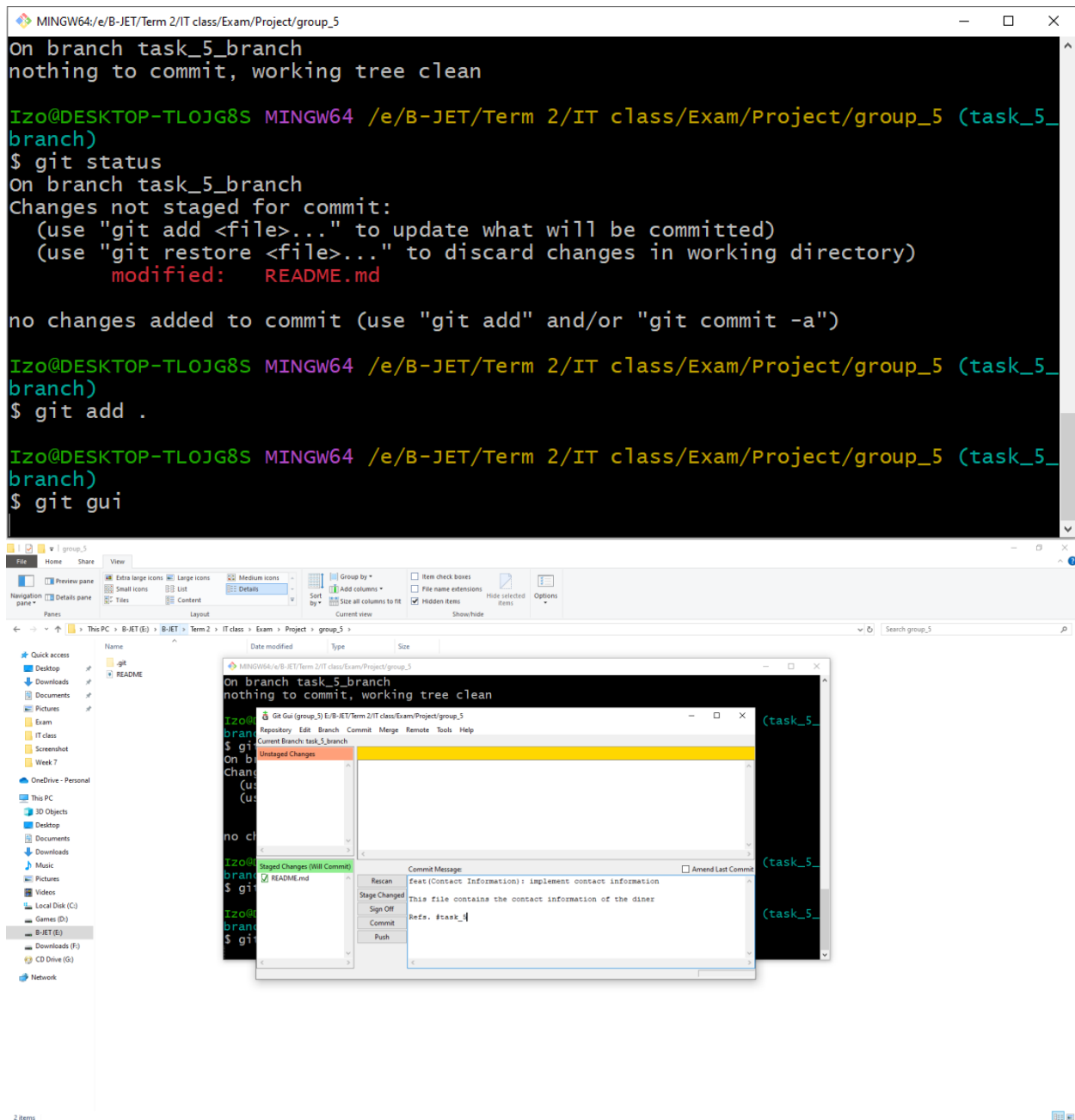
```
$ git status
On branch task_5_branch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md
```

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

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group\_5 (task\_5\_branch)

```
$ |
```





```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git status
On branch task_5_branch
nothing to commit, working tree clean

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git fetch origin
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 924 bytes | 6.00 KiB/s, done.
From github.com:Tanvir-Sadi/group_5
   488edb9..fd08ff3  development -> origin/development

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git status
On branch task_5_branch
nothing to commit, working tree clean

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git branch -a
  development
  main
* task_5_branch
remotes/origin/HEAD -> origin/main
remotes/origin/development
remotes/origin/main

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ |
```

```
Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git status
On branch task_5_branch
nothing to commit, working tree clean

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git fetch origin
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 924 bytes | 6.00 KiB/s, done.
From github.com:Tanvir-Sadi/group_5
   488edb9..fd08ff3  development -> origin/development

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git status
On branch task_5_branch
nothing to commit, working tree clean

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git branch -a
  development
  main
* task_5_branch
remotes/origin/HEAD -> origin/main
remotes/origin/development
remotes/origin/main

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git merge origin/development
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch|MERGING)
$ |
```

Visual Studio Code interface showing a merge conflict in the README.md file. The Explorer view on the left shows the project structure with a folder named GROUP\_5 and a file named README.md. The Source Control view in the middle shows the conflict. The README.md file is open in the editor, displaying HTML code for a contact page. The Preview view on the right shows the rendered HTML, which includes a 'CONTACT US' header, contact information, and social media links. The conflict is resolved by accepting the changes from the HEAD.

File Edit Selection View Go Run Terminal Help Preview README.md - group\_5 - Visual Studio Code [Administrator]

EXPLORER GROUP\_5 README.md

SOURCE CONTROL README.md HEAD Local Dining Guide

1 Accept Current Change | Accept Incoming Change | Accept B  
2 <<<<<< HEAD (Current Change)  
3 <div align="center">  
4   
5 </div>  
6 # \*\*Contact Information\*\*  
7  
8 For any inquiries or support, please email us at support@localdiningguide.com or visit our website http://www.localdiningguide.com.  
9  
10 Follow us on social media:  
11  
12 ![Twitter Icon](https://img.icons8.com/color/48/000000/twitter.png) \*\*Twitter:\*\* @localdiningguide  
13  
14 ![Facebook Icon](https://img.icons8.com/color/48/000000/facebook.png) \*\*Facebook:\*\* LocalDiningGuide

Preview README.md

<<<<<< HEAD

CONTACT US

Contact Information

For any inquiries or support, please email us at support@localdiningguide.com or visit our website http://www.localdiningguide.com.

Follow us on social media:

Twitter: @localdiningguide

Facebook: LocalDiningGuide

Instagram: @localdiningguide

We hope you enjoy using Local Dining Guide to

task\_5\_branch

```

MINGW64:/e/B-JET/Term 2/IT class/Exam/Project/group_5
$ git branch -a
  development
  main
* task_5_branch
remotes/origin/HEAD -> origin/main
remotes/origin/development
remotes/origin/main

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_
branch)
$ git merge origin/development
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch|ME
$

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch|ME
RGING)
$ git merge --abort

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$

```

Visual Studio Code interface showing the README.md file in the Explorer and the Merge Editor.

**Explorer:** GROUP\_5 folder containing logo.png and README.md.

**README.md content (lines 117-127):**

```

117 visit our website http://www.localdiningguide.com
118 Follow us on social media:
119
120 ![Twitter Icon](https://img.icons8.com/color/48/000000/twitter.png) **Twitter:**
    @localdiningguide
121
122 ![Facebook Icon](https://img.icons8.com/color/48/000000/facebook.png)
    **Facebook:** LocalDiningGuide
123
124 ![Instagram Icon](https://img.icons8.com/color/48/000000/instagram-new.png)
    **Instagram:** @localdiningguide
125
126 We hope you enjoy using Local Dining Guide
    to discover fantastic dining options in
    your area! Bon appétit! 🍴
127

```

**Preview README.md:**

Twitter: @localdiningguide

Facebook: LocalDiningGuide

Instagram: @localdiningguide

We hope you enjoy using Local Dining Guide to discover fantastic dining options in your area! Bon a

Resolve in Merge Editor

```
MINGW64/e/B-JET/Term 2/IT class/Exam/Project/group_5

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git fetch origin
remote: Enumerating objects: 36, done.
remote: Counting objects: 100% (36/36), done.
remote: Compressing objects: 100% (22/22), done.
remote: Total 32 (delta 8), reused 25 (delta 7), pack-reused 0
Unpacking objects: 100% (32/32), 39.66 KiB | 30.00 KiB/s, done.
From github.com:Tanvir-Sadi/group_5
   fd08ff3..d511813  development -> origin/development
   488edb9..d511813  main        -> origin/main
* [new branch]      task_2_branch -> origin/task_2_branch
* [new branch]      task_4_branch -> origin/task_4_branch

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch)
$ git merge origin/development
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch|MERGING)
$ git add .

Izo@DESKTOP-TLOJG8S MINGW64 /e/B-JET/Term 2/IT class/Exam/Project/group_5 (task_5_branch|MERGING)
$ |
```

The screenshot shows a terminal window and the Git GUI application. The terminal window displays the output of a `git fetch origin` command, showing that the local branches `task_2_branch` and `task_4_branch` have been updated from the remote. It then shows a `git merge origin/development` command, which results in a merge conflict in `README.md`. The user then runs `git add .` to stage the changes. The Git GUI window is open, showing the 'Unstaged Changes' and 'Staged Changes (Will Commit)' sections. The 'Commit Message' field is empty, and the 'Amend Last Commit' checkbox is unchecked. The 'Commit' button is highlighted. The status bar at the bottom of the Git GUI window indicates that a commit has been created with the message 'Created commit 21bd289c: Merge remote-tracking branch 'origin/development' into task\_5\_branch'.



The screenshot shows a GitHub pull request page for the repository 'Tanvir-Sadi / group\_5'. The pull request is titled 'Task 5 branch' and was opened by 'yushaabdullah' 1 minute ago. It is currently in the 'Approved' state. The page includes a navigation bar with tabs for Code, Issues, Pull requests (1), Actions, Projects, Wiki, Security, and Insights. A message from GitHub states: 'Label issues and pull requests for new contributors. Now, GitHub will help potential first-time contributors discover issues labeled with good first issue'. Below this is a filter bar with 'Filters' and a search input 'is:pr is:open'. A table of pull requests is shown with columns for Author, Label, Projects, Milestones, Reviews, Assignee, and Sort. The table contains one entry: 'Task 5 branch' by 'yushaabdullah'. At the bottom, there is a ProTip: 'Type g i on any issue or pull request to go back to the issue listing page.'