

```
MINGW64/c/Users/ARMAN/Desktop/it_exam
ARMAN@Machine007 MINGW64 ~/Desktop/it_exam
$ git clone git@github.com:ahmad-saki/bjet13-group1.git
Cloning into 'bjet13-group1'...
The authenticity of host 'github.com (20.205.243.166)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
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.

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam
$ |
```

I cloned the repo using SSH. The command is “git clone [git@github.com:ahmad-saki/bjet13-group1.git](https://github.com/ahmad-saki/bjet13-group1.git)”

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
$ cd bjet13-group1/

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (main)
$ git pull origin development
From github.com:ahmad-saki/bjet13-group1
* branch          development -> FETCH_HEAD
Already up to date.

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (main)
$
```

Pulled development branch “git pull origin development”

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
* branch          development -> FETCH_HEAD
Already up to date.

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (main)
$ git checkout development
Switched to a new branch 'development'
branch 'development' set up to track 'origin/development'.

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (development)
$
```

Switched to 'development' using "git checkout development"

#

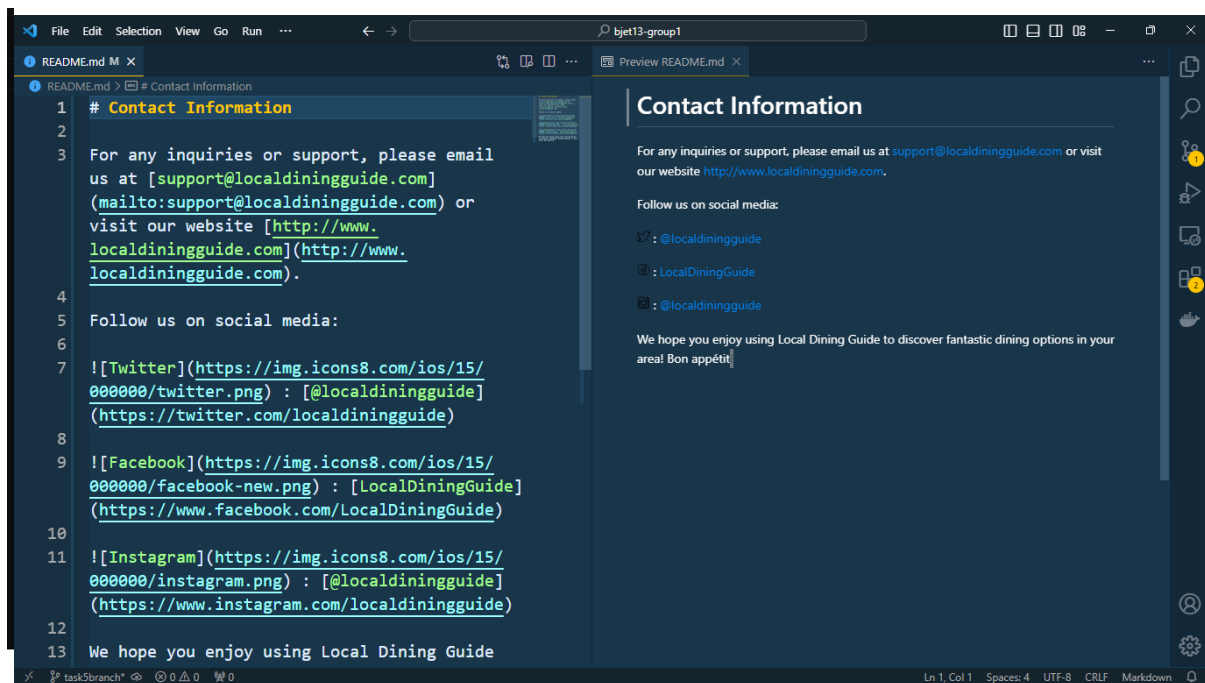
```
MINGW64~/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
$ git checkout development
Switched to a new branch 'development'
branch 'development' set up to track 'origin/development'.

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (development)
$ git checkout -b task5branch
Switched to a new branch 'task5branch'

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$
```

Created a new 'task5branch' branch using "git checkout -b task5branch"

#



Updated the README.md file

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$ git add README.md

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$ git status
On branch task5branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$
```

Added README.md to the staging area.

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
On branch task5branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$ git commit -m "Update README for task 5"
[task5branch 0761cdd] Update README for task 5
 1 file changed, 13 insertions(+), 1 deletion(-)

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$
```

Committed the changes using "git commit -m "Update README for task 5" "

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
$ git commit -m "Update README for task 5"
[task5branch 0761cdd] Update README for task 5
 1 file changed, 13 insertions(+), 1 deletion(-)

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$ git log
commit 0761cdd33b30979c7c4920729d763c811f4faf0e (HEAD -> task5branch)
Author: arman-007 <armanhosen9@gmail.com>
Date:   Tue Jan 9 11:25:58 2024 +0600

    Update README for task 5

commit be67e1e9dfa619b0766030e9f2085d9dd6ad2e55 (origin/main, origin/HEAD, main,
```

Using "git log" to find the commit-hash to use it for later use when cherry-picking.

#

```
MINGW64:/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
Switched to branch 'development'
Your branch is behind 'origin/development' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (development)
$ git pull origin development
From github.com:ahmad-saki/bjet13-group1
 * branch                development -> FETCH_HEAD
Updating be67e1e..b369d95
Fast-forward
 README.md | 12 ++++++++--
 1 file changed, 11 insertions(+), 1 deletion(-)
```

Pulled latest update in “development”

#

```
MINGW64:/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
$ git branch -d resolveconflict
error: the branch 'resolveconflict' is not fully merged.
If you are sure you want to delete it, run 'git branch -D resolveconflict'

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (development)
$ git branch -D resolveconflict
Deleted branch resolveconflict (was 25bf69f).

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (development)
$ git checkout -b resolveconflict
Switched to a new branch 'resolveconflict'

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (resolveconflict)
```

created “resolveconflict” branch from development

#

```
MINGW64:/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
b369d954d87651bb3685df438c2bbce970358520

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (resolveconflict)
$ git cherry-pick 0761cdd33b30979c7c4920729d763c811f4faf0e
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply 0761cdd... Update README for task 5
hint: After resolving the conflicts, mark them with
hint: "git add/rm <pathspec>", 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".
```

Used cherry-pick to pick my commit

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
--[no-]allow-empty-message
    allow commits with empty messages
--[no-]keep-redundant-commits
    keep redundant, empty commits

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (resolveconflict|CHERRY
$ git cherry-pick --continue
[resolveconflict dda00ff] Update README for task 5
Date: Tue Jan 9 11:25:58 2024 +0600
1 file changed, 14 insertions(+)

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (resolveconflict)
```

Resolved conflict

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
Date: Tue Jan 9 11:25:58 2024 +0600
1 file changed, 14 insertions(+)

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (resolveconflict)
$ git checkout task5branch
Switched to branch 'task5branch'

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch)
$ git merge resolveconflict
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
```

Merged update in my local branch

#

```
MINGW64/c/Users/ARMAN/Desktop/it_exam/bjet13-group1
ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch|MERGING)
$ git push origin task5branch
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 585 bytes | 292.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'task5branch' on GitHub by visiting:
remote:   https://github.com/ahmad-saki/bjet13-group1/pull/new/task5branch
remote:
To github.com:ahmad-saki/bjet13-group1.git
 * [new branch]      task5branch -> task5branch

ARMAN@Machine007 MINGW64 ~/Desktop/it_exam/bjet13-group1 (task5branch|MERGING)
$
```

Pushed my update to the remote.

Finally, created pull-request in development branch to merge my update.