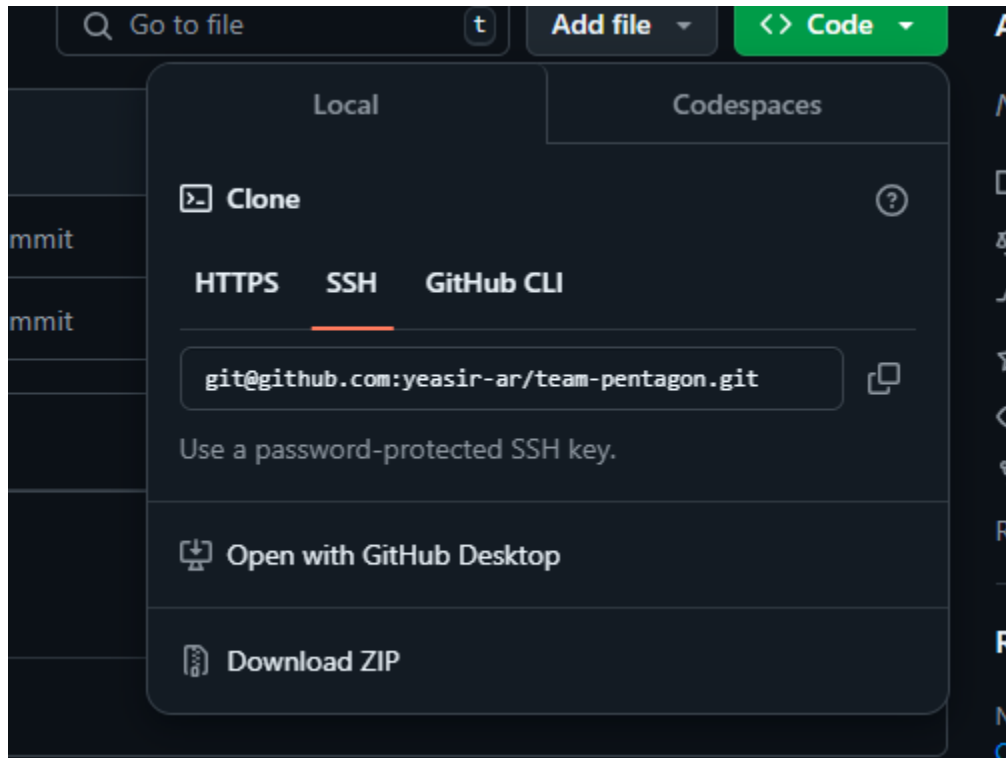


1. Getting clone link



2. Git clone command:

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam
$ git clone git@github.com:yeasir-ar/team-pentagon.git
Cloning into 'team-pentagon'...
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-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam
$ |
```

3. New work branch created

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (development)
$ git checkout -b task2branch
```

4. Work branch file is stage and commit :

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (development)
$ git checkout -b task2branch
Switched to a new branch 'task2branch'

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (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-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
$ git add .

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
$ git commit -m "Docs(readme): Added development technology and features list text." -m "Refs:30187"
[task2branch f32dc68] Docs(readme): Added development technology and features list text.
 1 file changed, 29 insertions(+), 1 deletion(-)

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
$
```

Going back to the development branch for latest update:

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (development)
$ git pull origin development
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 1.21 KiB | 53.00 KiB/s, done.
From github.com:yeasir-ar/team-pentagon
* branch                development -> FETCH_HEAD
   13c5f3c..ef7a281      development -> origin/development
Updating 13c5f3c..ef7a281
Fast-forward
 README.md | 10 +++++++-
 1 file changed, 9 insertions(+), 1 deletion(-)

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (development)
$
```

Getting the last commit hash id:

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
● $ git log -2
○ commit f32dc68ea20d1ccad7853d11e477a6affc0370c5 (HEAD -> task2branch)
   Author: raihan romeo <raihan.romeo@bjitacademy.com>
   Date:   Mon Nov 25 13:50:33 2024 +0600

   Docs(readme): Added development technology and features list text.

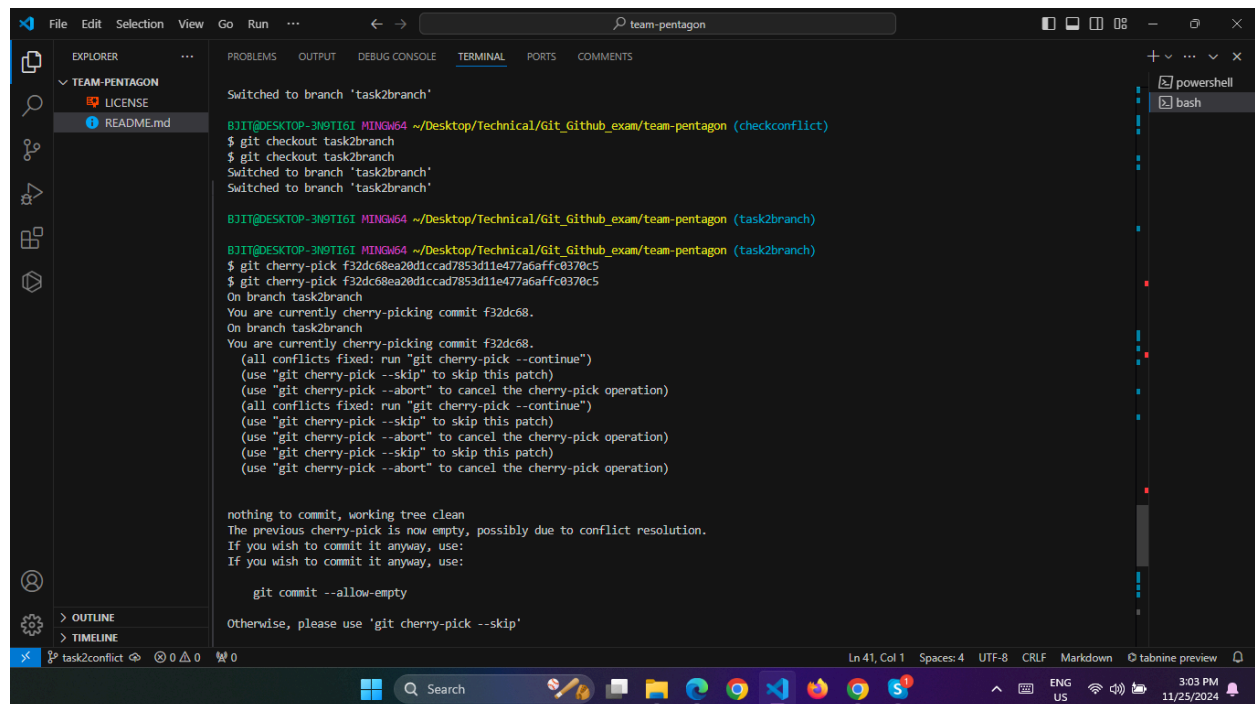
   Refs:30187

   commit 13c5f3c19390a8b27fc71df90b5b50e3bd6f4b43 (origin/main, origin/development, origin/HEAD, main, development)
   Author: yeasir-ar <yeasir.arafat@bjitacademy.com>
   Date:   Mon Nov 25 11:39:23 2024 +0600

   Initial commit

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
```

Git cherry pick:



The screenshot shows a Visual Studio Code window with a terminal open. The terminal output shows the user switching to the 'task2branch' branch and then cherry-picking a commit from the 'main' branch. The cherry-pick operation is successful, and the user is prompted to commit the changes.

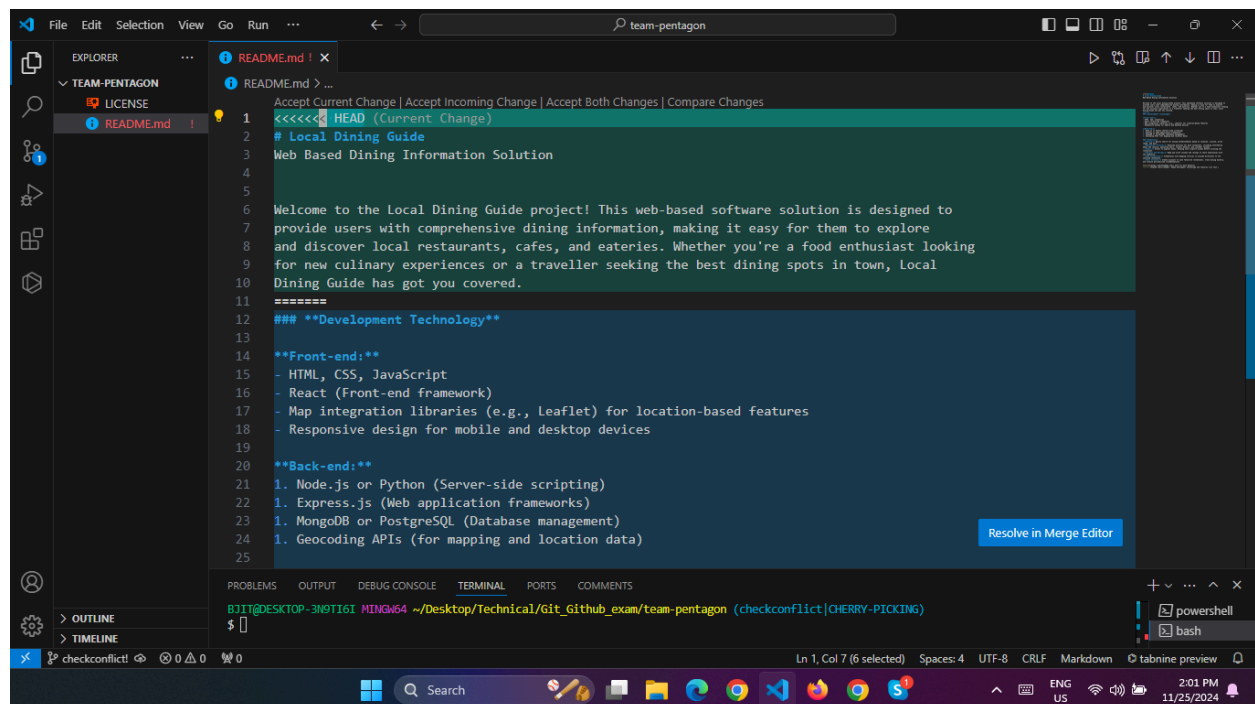
```
Switched to branch 'task2branch'

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (checkconflict)
$ git checkout task2branch
$ git checkout task2branch
Switched to branch 'task2branch'
Switched to branch 'task2branch'

BJIT@DESKTOP-3N9TI6I MINGW64 ~/Desktop/Technical/Git_Github_exam/team-pentagon (task2branch)
$ git cherry-pick f32dc68ea20d1ccad7853d11e477a6affc8370c5
$ git cherry-pick f32dc68ea20d1ccad7853d11e477a6affc8370c5
On branch task2branch
You are currently cherry-picking commit f32dc68.
On branch task2branch
You are currently cherry-picking commit f32dc68.
(all conflicts fixed: run "git cherry-pick --continue")
(use "git cherry-pick --skip" to skip this patch)
(use "git cherry-pick --abort" to cancel the cherry-pick operation)
(all conflicts fixed: run "git cherry-pick --continue")
(use "git cherry-pick --skip" to skip this patch)
(use "git cherry-pick --abort" to cancel the cherry-pick operation)
(use "git cherry-pick --skip" to skip this patch)
(use "git cherry-pick --abort" to cancel the cherry-pick operation)
(use "git cherry-pick --skip" to skip this patch)
(use "git cherry-pick --abort" to cancel the cherry-pick operation)

nothing to commit, working tree clean
The previous cherry-pick is now empty, possibly due to conflict resolution.
If you wish to commit it anyway, use:
git commit --allow-empty
Otherwise, please use 'git cherry-pick --skip'
```

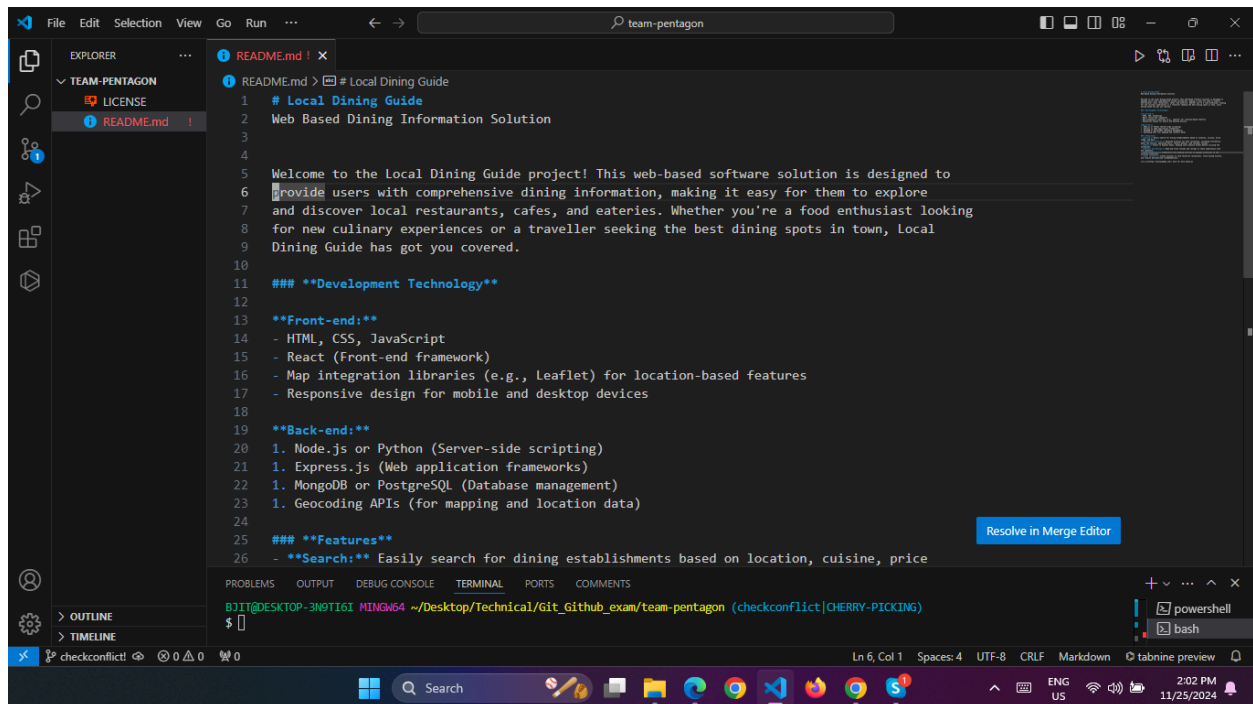
Resolving merge conflict:



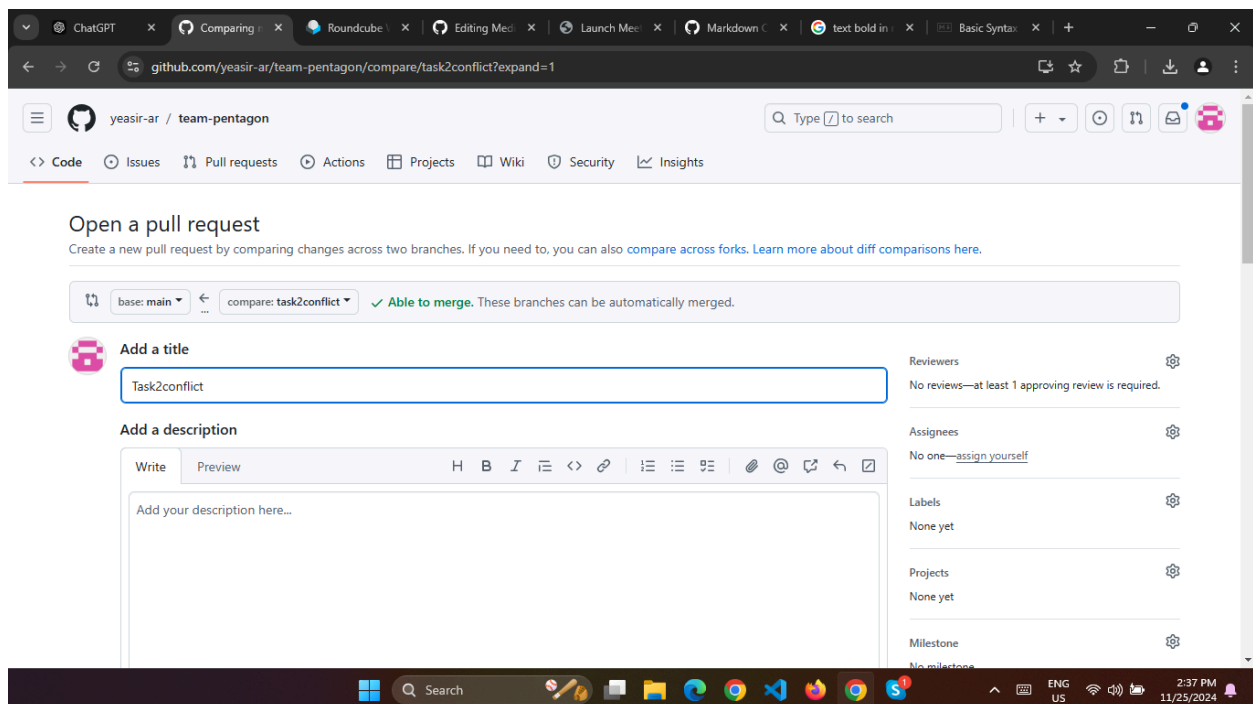
The screenshot shows a Visual Studio Code window with a merge conflict in the 'README.md' file. The conflict is between the 'HEAD' (Current Change) and the 'task2branch' branch. The user is prompted to resolve the conflict using the 'Resolve in Merge Editor' button.

```
1 <<<<<< HEAD (Current Change)
2 # Local Dining Guide
3 Web Based Dining Information Solution
4
5
6 Welcome to the Local Dining Guide project! This web-based software solution is designed to
7 provide users with comprehensive dining information, making it easy for them to explore
8 and discover local restaurants, cafes, and eateries. Whether you're a food enthusiast looking
9 for new culinary experiences or a traveller seeking the best dining spots in town, Local
10 Dining Guide has got you covered.
11 =====
12 *** **Development Technology**
13
14 ***Front-end:**
15 - HTML, CSS, JavaScript
16 - React (Front-end framework)
17 - Map integration libraries (e.g., Leaflet) for location-based features
18 - Responsive design for mobile and desktop devices
19
20 ***Back-end:**
21 1. Node.js or Python (Server-side scripting)
22 1. Express.js (Web application frameworks)
23 1. MongoDB or PostgreSQL (Database management)
24 1. Geocoding APIs (for mapping and location data)
25
```

Meger conflict resolve:



Pull Request:



Checking other review

This screenshot shows a GitHub pull request review interface. The main window displays a diff for the file `README.md`. The changes include adding a front-end section, a table of contents, and an introduction. A review modal is open on the right, titled "Finish your review". It contains a text area with the comment "its ok", a "Submit review" button, and three radio button options: "Comment", "Approve", and "Request changes". The "Approve" option is selected. The background shows the pull request details for "Task 1 conflict resolve in README.md #2".

This screenshot shows the GitHub pull request page for "locally resolve the merge conflict #1". The page header indicates that "raihanromeo" wants to merge 1 commit into the `development` branch from the `task2conflict` branch. The pull request has 1 commit, 0 checks, and 1 file changed. A comment from "raihanromeo" is visible, stating "Refs:12321". The right sidebar shows the list of reviewers: "SohanurRahman-Sohan", "humayun-bjit", "SaminBJIT", and "yeasir-ar". A red banner at the bottom indicates "Review required" with the message "At least 1 approving review is required by reviewers with write access." The page also shows the "Assignees" section, which is currently empty.

