Completed Tasks:

1. **Repo Cloning:** (SSH key.)Forgot to capture a screenshot while cloning the repository:
   bashCopy code
   MacBook-Pro:IT-class salmanfarshi$ git clone https://github.com/salmanarrahman/IT-class.git

2. **Pull the Development Branch:** Executed a pull operation for the development branch.

3. **README Content Update:** Updated README content.

4. **Commit and Push:** Encountered environmental issues on macOS while pushing changes remotely. Employed an alternative method for pushing content, hence unable to take a screenshot.
   bashCopy code

   (*base) MacBook-Pro:IT-class salmanfarshi$ git push --set-upstream origin bjet-task4*

5. **Merge Conflict Consequence:** Faced merge conflict consequences.

6. **Conflict Resolution:** Resolved merge conflicts.

7. **Branch Naming and Push:** Named a branch and pushed changes.

8. **Pull Request and Task Merge:** Completed pull request and merged tasks.

Screenshots

```
xcrun: error: invalid active developer path (/Library/Developer/CommandLineTools), missing xcrun at: /Library/Developer/Comm
andLineTools/usr/bin/xcrun

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
[(base) MacBook-Pro:IT-class salmanfarshi$ git bracnh
git: 'bracnh' is not a git command. See 'git --help'.

The most similar command is
        branch
[(base) MacBook-Pro:IT-class salmanfarshi$ git branch
* main
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout -b task4
Switched to a new branch 'task4'
[(base) MacBook-Pro:IT-class salmanfarshi$ git branch
  main
* task4
[(base) MacBook-Pro:IT-class salmanfarshi$ git status
On branch task4
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")
[(base) MacBook-Pro:IT-class salmanfarshi$ git add .
[(base) MacBook-Pro:IT-class salmanfarshi$ git commit -m 'task4modified-fromFarshi'
[task4 e25684f] task4modified-fromFarshi
 1 file changed, 14 insertions(+), 1 deletion(-)
 rewrite README.md (100%)
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
[(base) MacBook-Pro:IT-class salmanfarshi$ git pull origin development
fatal: couldn't find remote ref development
[(base) MacBook-Pro:IT-class salmanfarshi$ git pull origin developemnt
From https://github.com/salmanarrahman/IT-class
 * branch            developemnt -> FETCH_HEAD
Updating 5d3f09c..3cc9c58
Fast-forward
 README.md | 21 +++++++++++++++++++++-
 1 file changed, 20 insertions(+), 1 deletion(-)
Current branch main is up to date.
```

```
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
[(base) MacBook-Pro:IT-class salmanfarshi$ git pull origin development
fatal: couldn't find remote ref development
[(base) MacBook-Pro:IT-class salmanfarshi$ git pull origin developemnt
From https://github.com/salmanarrahman/IT-class
 * branch            developemnt -> FETCH_HEAD
Updating 5d3f09c..3cc9c58
Fast-forward
 README.md | 21 +++++++++++++++++++++-
 1 file changed, 20 insertions(+), 1 deletion(-)
Current branch main is up to date.
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout -b bjet-task4
Switched to a new branch 'bjet-task4'
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout task4
Switched to branch 'task4'
[(base) MacBook-Pro:IT-class salmanfarshi$ git log
commit e25684fd62839354bf8d9c88c858a0bee1c69739 (HEAD -> task4)
Author: salmanFarshi <salmanfarshinsu@gmail.com>
Date:   Tue Jan 9 11:57:17 2024 +0600

    task4modified-fromFarshi

commit 5d3f09c98f947c598ab7f52d6b8b85a8a34e6a19 (origin/main, origin/HEAD)
Author: salmanarrahman <salmanarrahman@gmail.com>
Date:   Tue Jan 9 03:54:45 2024 +0600

    fs
[(base) MacBook-Pro:IT-class salmanfarshi$ git checkout bjet-task4
Switched to branch 'bjet-task4'
[(base) MacBook-Pro:IT-class salmanfarshi$ git branch
* bjet-task4
  main
  task4
[(base) MacBook-Pro:IT-class salmanfarshi$ git cherry-pick e25684fd62839354bf8d9c88c858a0bee1c69739
```

```
hint: with 'git add <paths>' or 'git rm <paths>'
hint: and commit the result with 'git commit'
[(base) MacBook-Pro:IT-class salmanfarshi$ git status
On branch bjet-task4
You are currently cherry-picking commit e25684f.
  (fix conflicts and run "git cherry-pick --continue")
  (use "git cherry-pick --abort" to cancel the cherry-pick operation)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
[(base) MacBook-Pro:IT-class salmanfarshi$ git add .
[(base) MacBook-Pro:IT-class salmanfarshi$ git commit -m 'doc(readme);-add task4 information'
[bjet-task4 8697502] doc(readme);-add task4 information
 Date: Tue Jan 9 11:57:17 2024 +0600
 1 file changed, 16 insertions(+)
[(base) MacBook-Pro:IT-class salmanfarshi$ git push -- set-upstream origin bjet-task4
fatal: 'set-upstream' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
[(base) MacBook-Pro:IT-class salmanfarshi$ git push --set-upstream origin bjet-task4
Username for 'https://github.com': salmanfarshinsu@gmail.com
[Password for 'https://salmanfarshinsu@gmail.com@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-ht
tps-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/salmanarrahman/IT-class.git/'
[(base) MacBook-Pro:IT-class salmanfarshi$ git push --set-upstream origin bjet-task4
Username for 'https://github.com': sftSalman
[Password for 'https://sftSalman@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-ht
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```