**Problem and Solution Related to Git**

**Problem-1:** git push is not working and showing the error:

! [rejected] main -> main (fetch first) error: failed to push some refs to 'https://github.com/AongCho880/Data\_Struct\_Algo.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

**Solution:**

This error occurs when you try to push changes to a Git repository, but the remote branch has received new changes that are not present in your local branch. To solve this problem, you need to pull the changes from the remote branch and merge them with your local changes, then push the updated code back to the remote repository.

Here are the steps to solve this problem:

a) Run the following command to fetch the changes from the remote repository:

*git fetch*

b) Merge the changes from the remote branch into your local branch by running the following command:

*git merge origin/main*

Note: Replace "main" with the name of the branch you're working on.

c) Resolve any merge conflicts that may arise during the merge process.

d) Finally, push your changes to the remote repository by running the following command:

*git push*

**Problem-2:**