Day – 4 How to resolve merge conflicts in Git =

- Branch Conflict =
- Issue 1 = mohit - on line 33 > fast > PR > merge
- Issue 2 = piyush - on line 33
- Mohit's changes are merged in main
- But if we try to merge piyush's changes , then there will be conflict

- Piyush's repo
- git pull
- git pull upstream main
- git pull
- git checkout –b "fix/change-value"
- git add .
- git commit –m ""
- git push

- mohit's PR is merged
- Conflicting files
- It is difficult to merge conflicts
- Solve merge conflicts in VSCode not on github page

- Piyush :
- git pull upstream main
- Now we will see conflict in vscode
- Merged successfully
- Git add .
- Git rebase --continue
- Git push –f   > because our PR is open
- We don't need to push forcefully every time
- now conflicts are resolved

- git switch main
- git pull upstream main
- git push
- git checkout –b ""
- now if upstream code is changed i.e someone's PR is merged then
- git pull upstream main
- git add .
- git commit –m ""
- git pull upstream main
- now resolve the conflict
- git add .
- git rebase –continue
- git status
- no need to git push (already)

There are 2 scenarios :
1. You haven't made any PR till now, and before that we are getting error
2. Conflict is there because our PR is done

- Read merge conflicts carefully
- Package.lock should not be added in git repo