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| A picture of a winding road and trees  AssigNment | Abstract  Workshop Assignment for GIT and GIT HUB – Sep 2025  Nandhini Ammaiappan |

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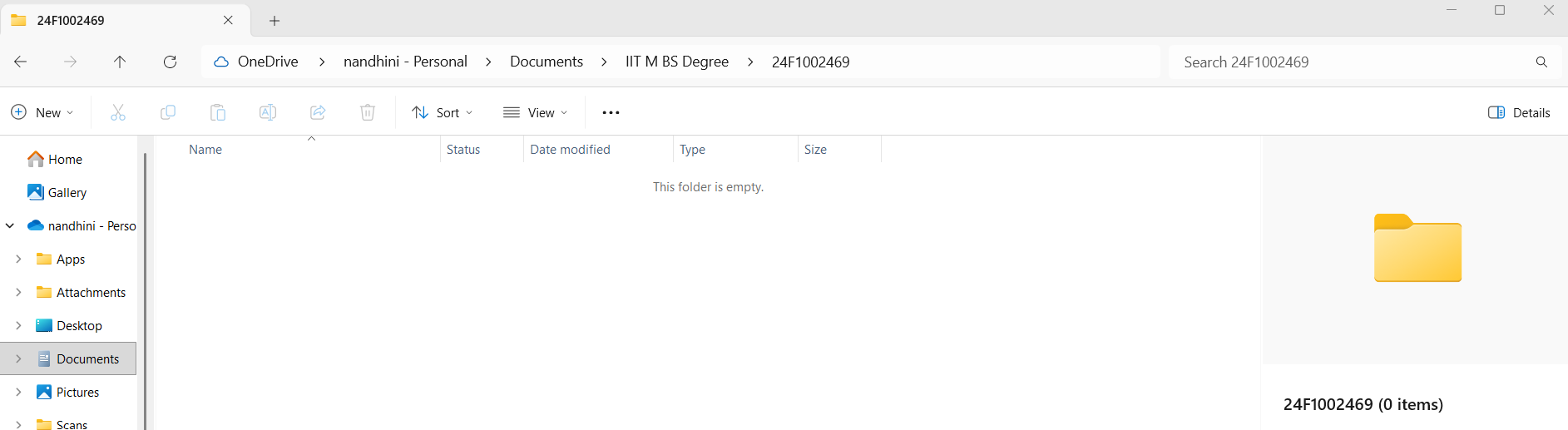
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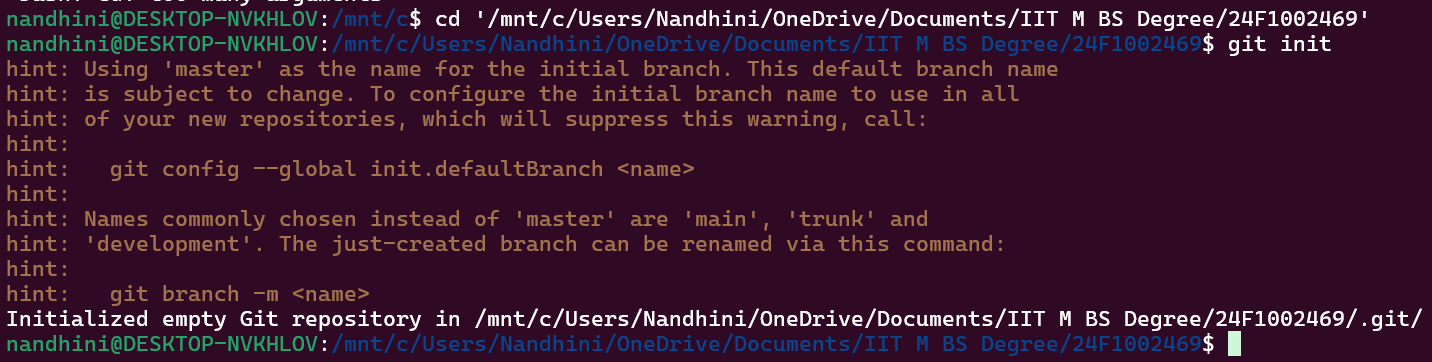
# Workshop-Hands-on with Git and GitHub – Sep 2025

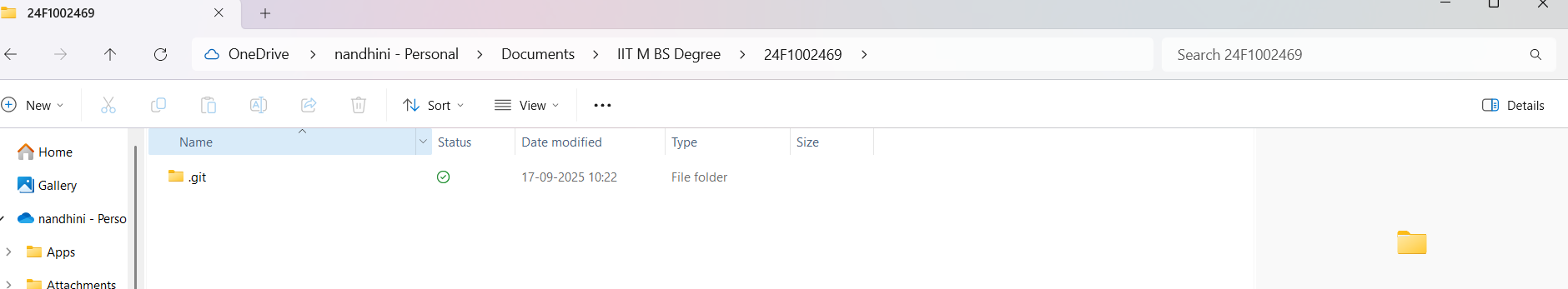
## Day 1

### Create one directory with your student roll number

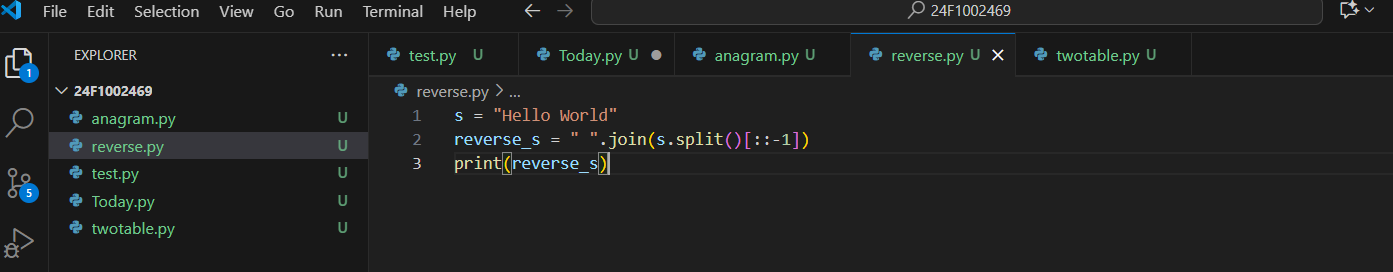


### Initialize git

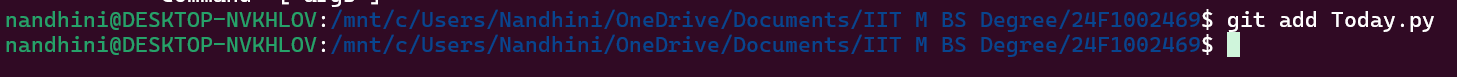


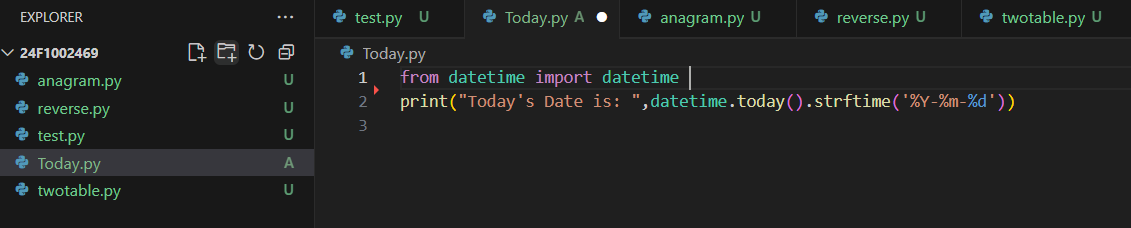


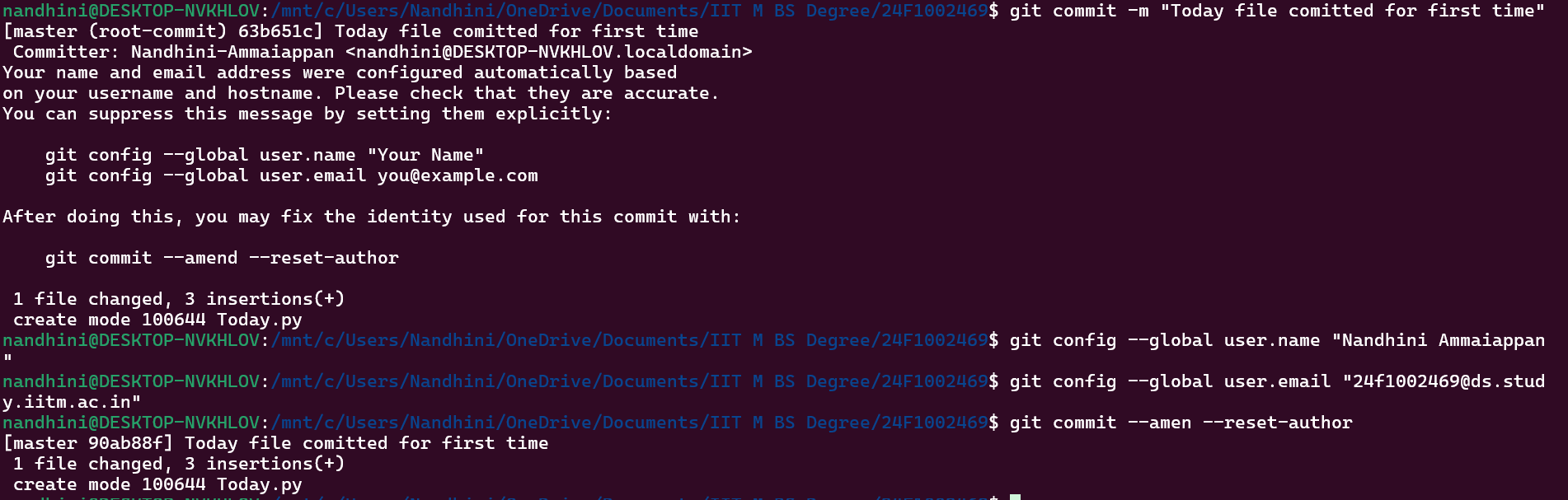
### Create 5 files

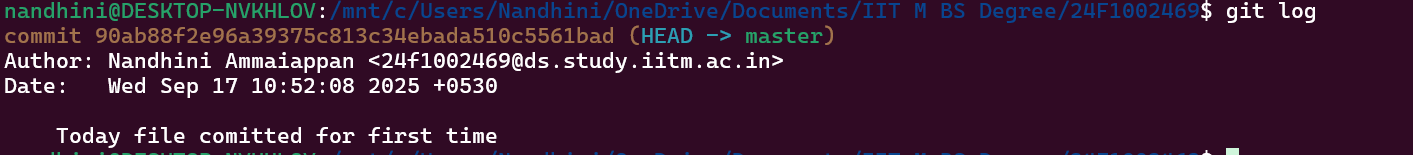


### Create at least 5 commits with proper messages



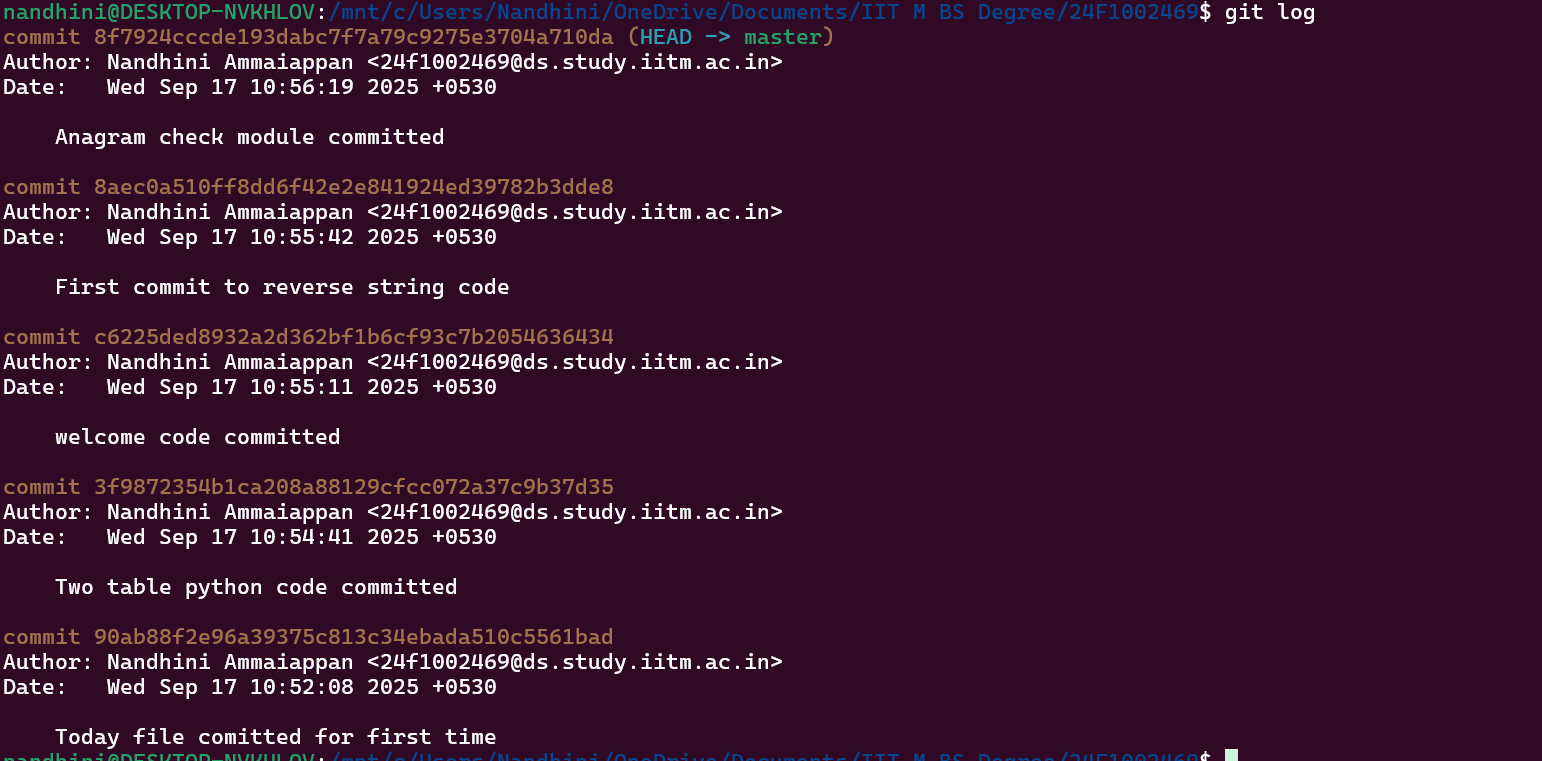




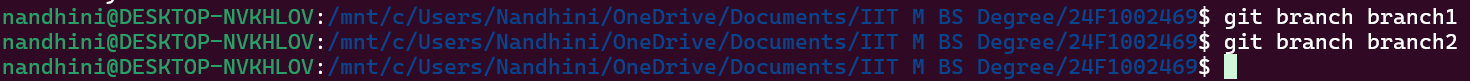


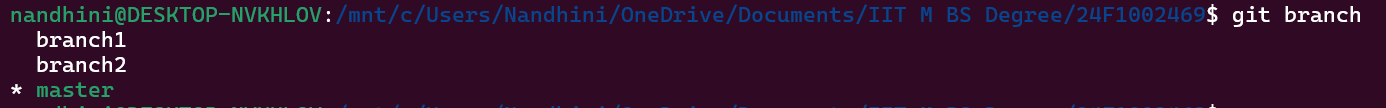
**Same process followed for other 4 files**

### Take screen shot for git log(not one line)

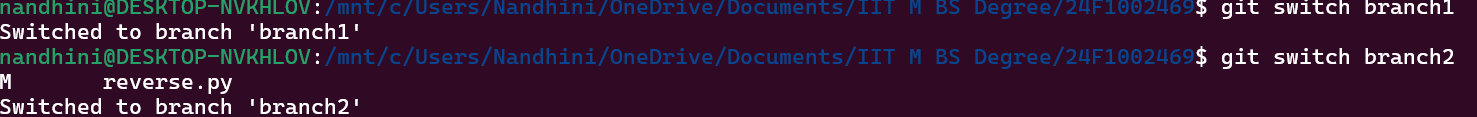


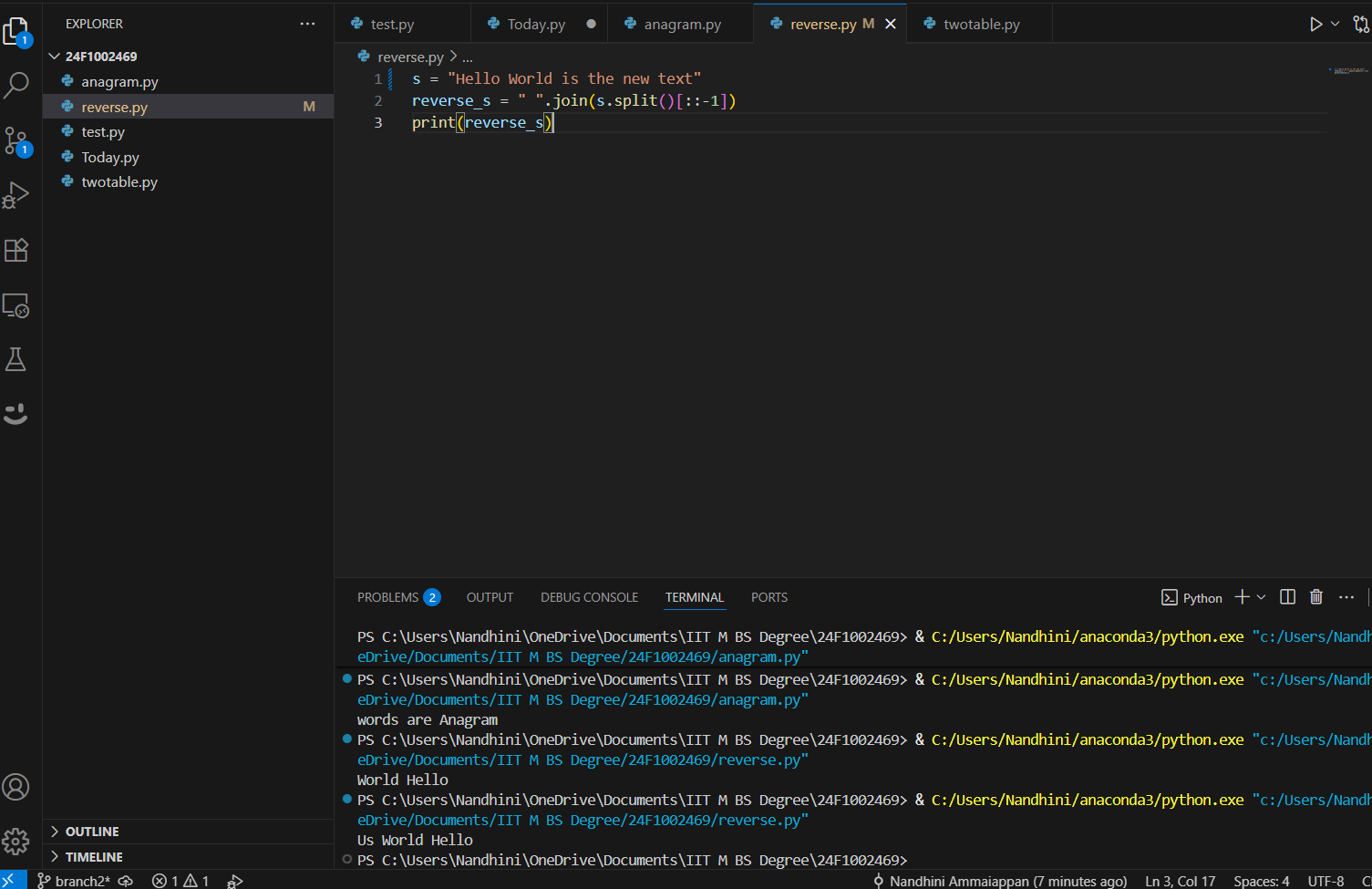
### Create two branches

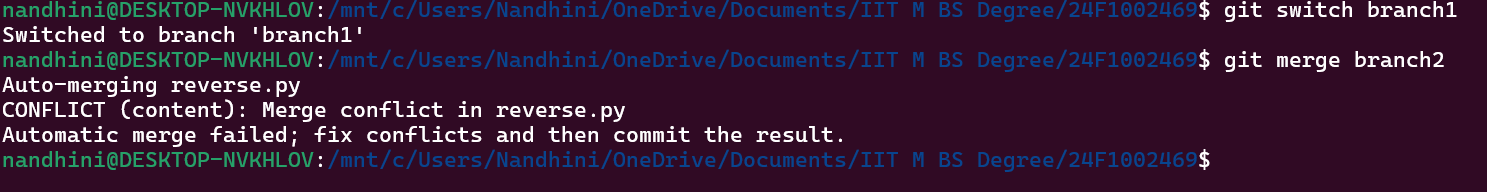




### Update file on branches and one file should create merge conflict

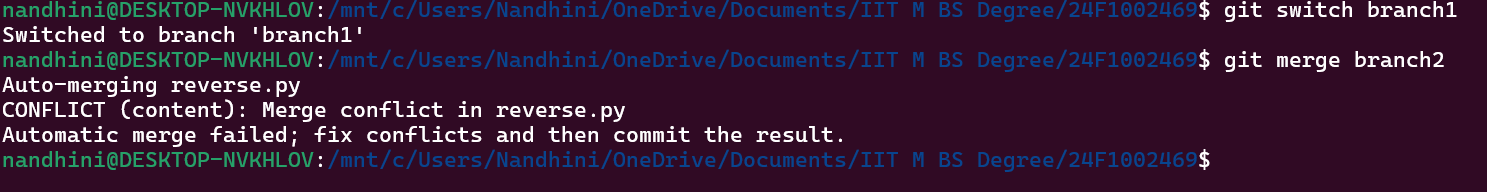


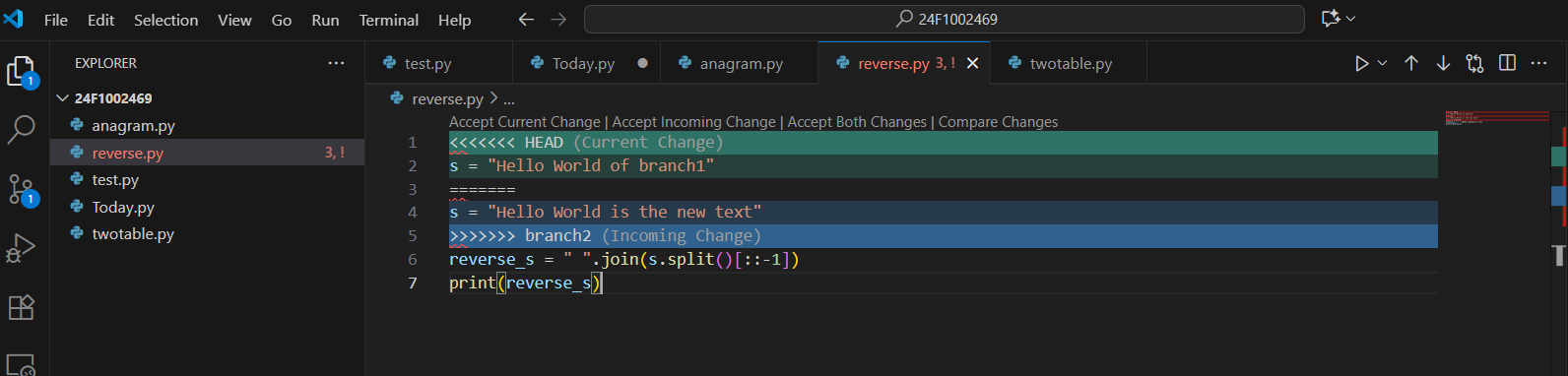




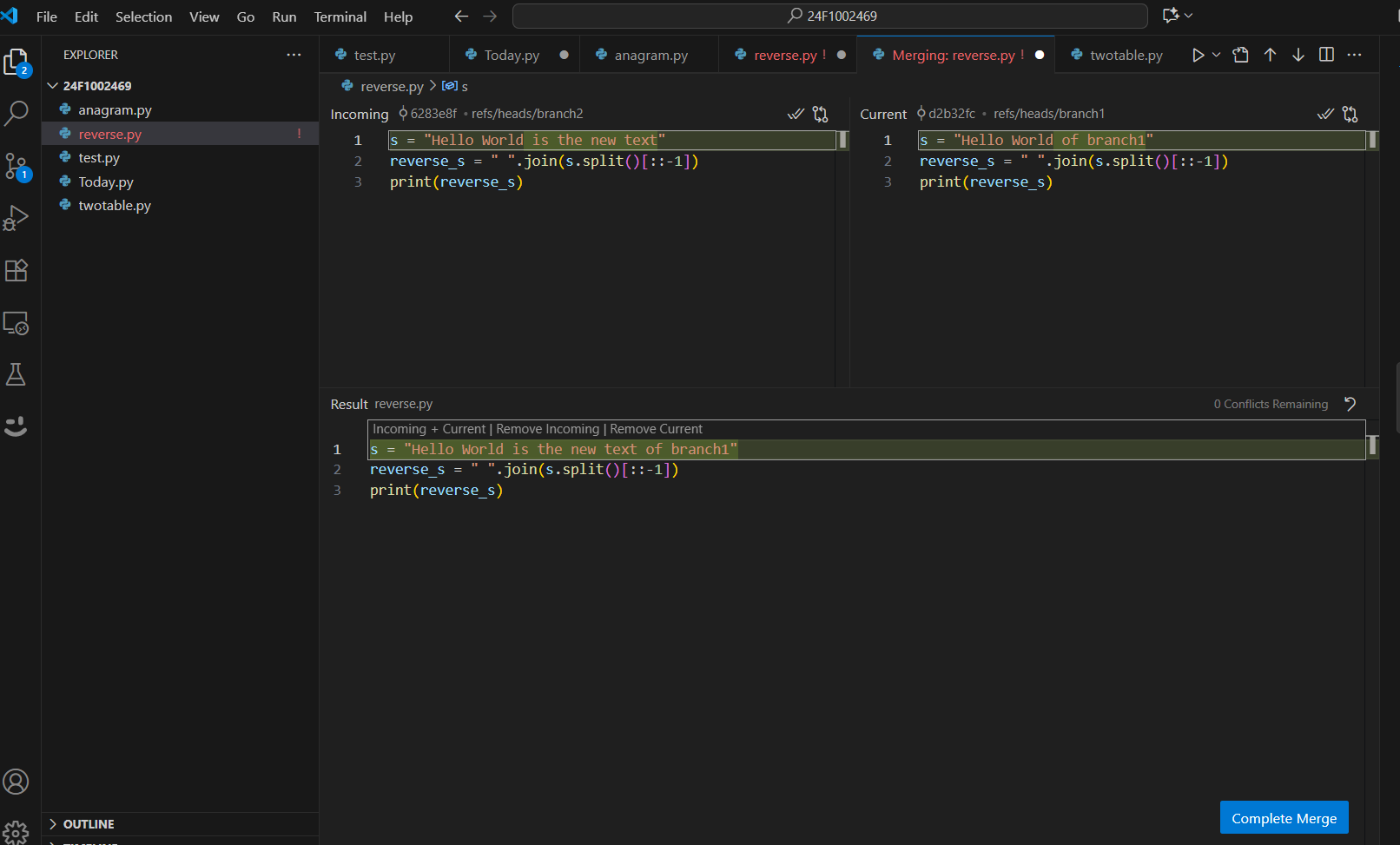
### Merge both branch to master

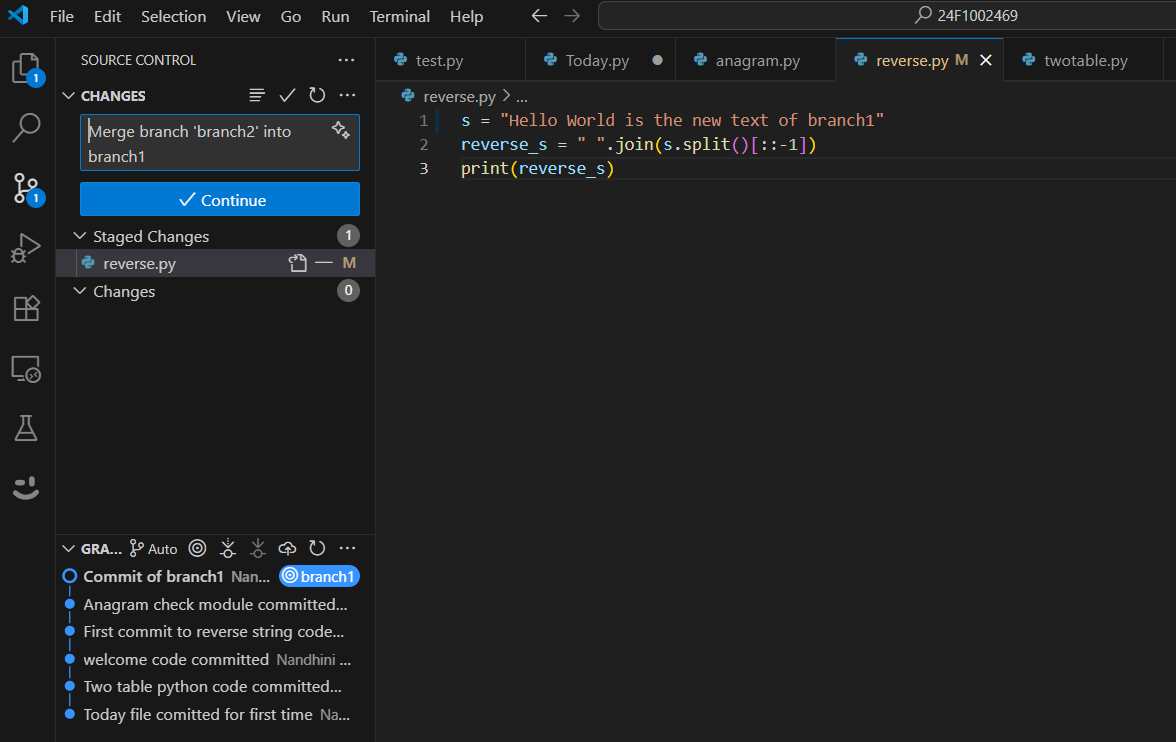
### Take screen shot for merge conflict in file and merge conflict message on terminal



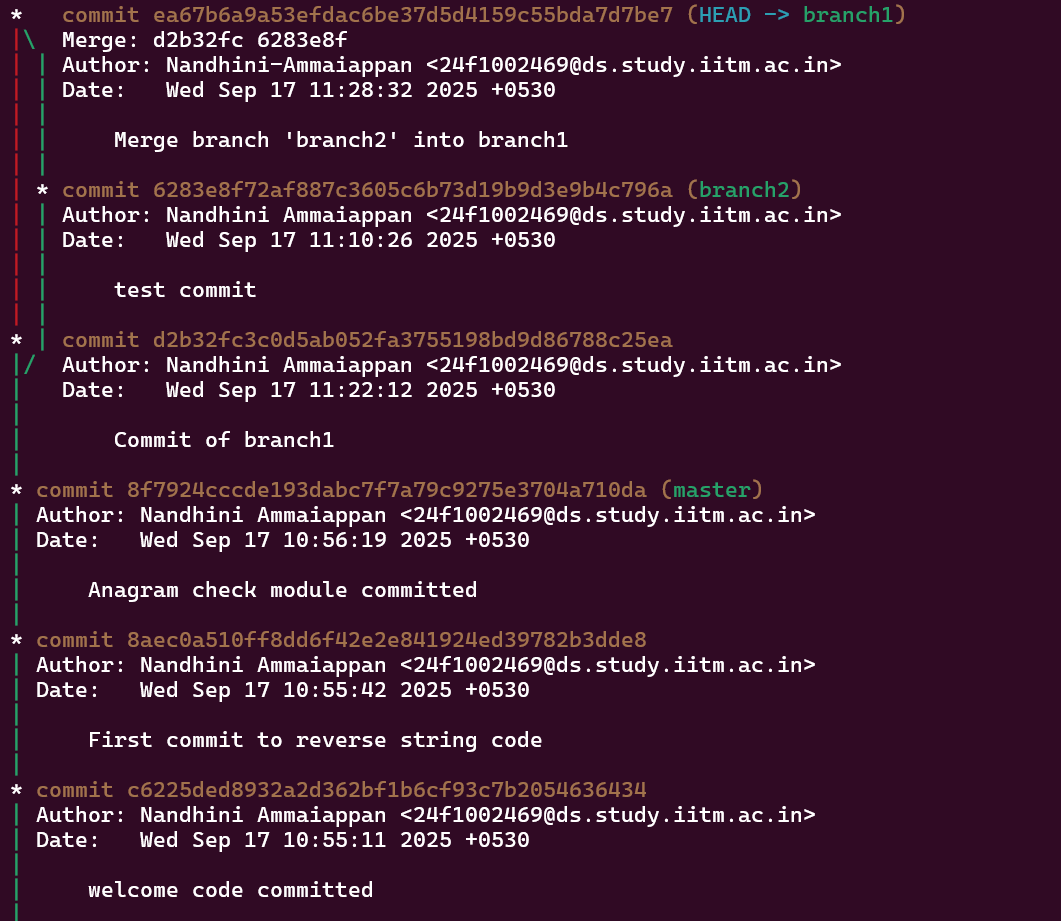


### Resolve merge conflict and commit





### Take screen shot for complete git graph

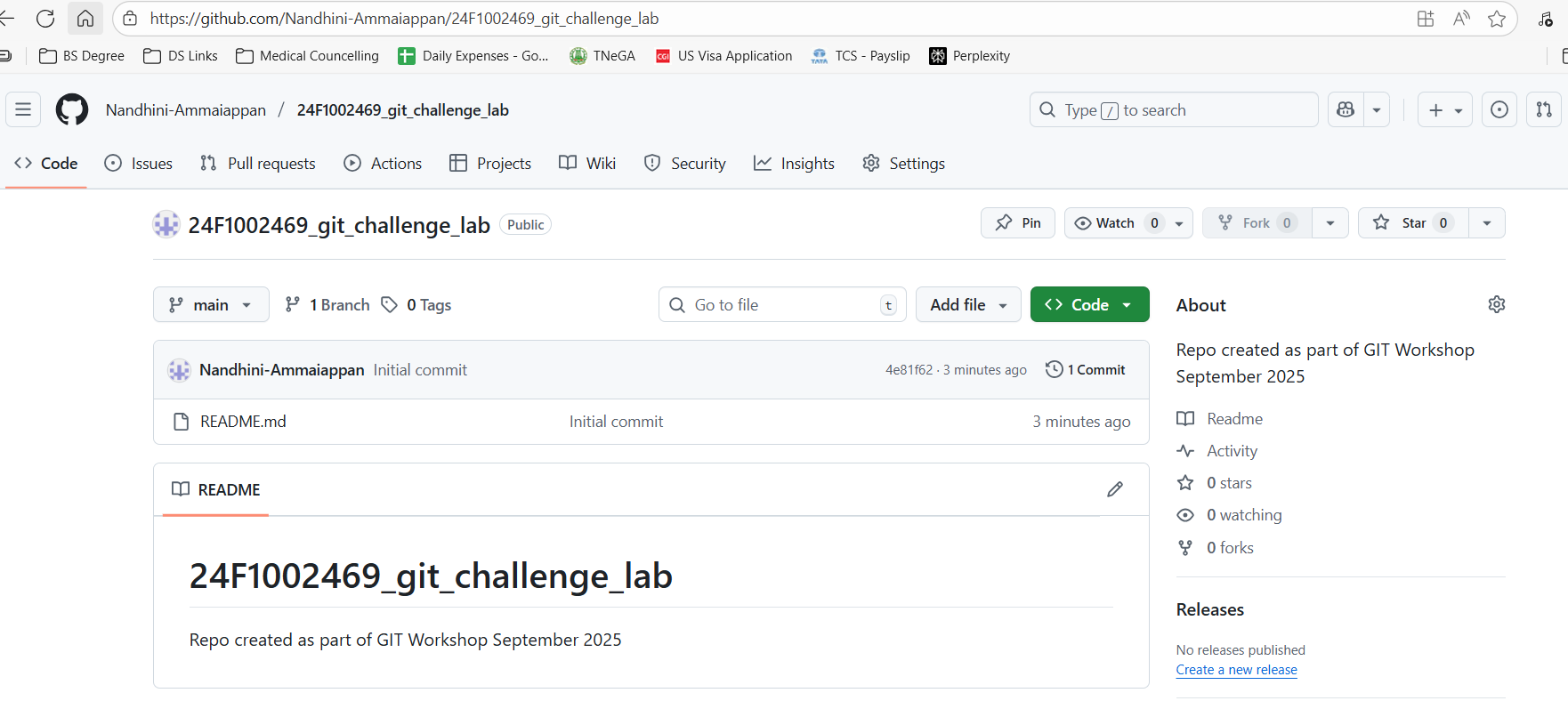


## Day 2

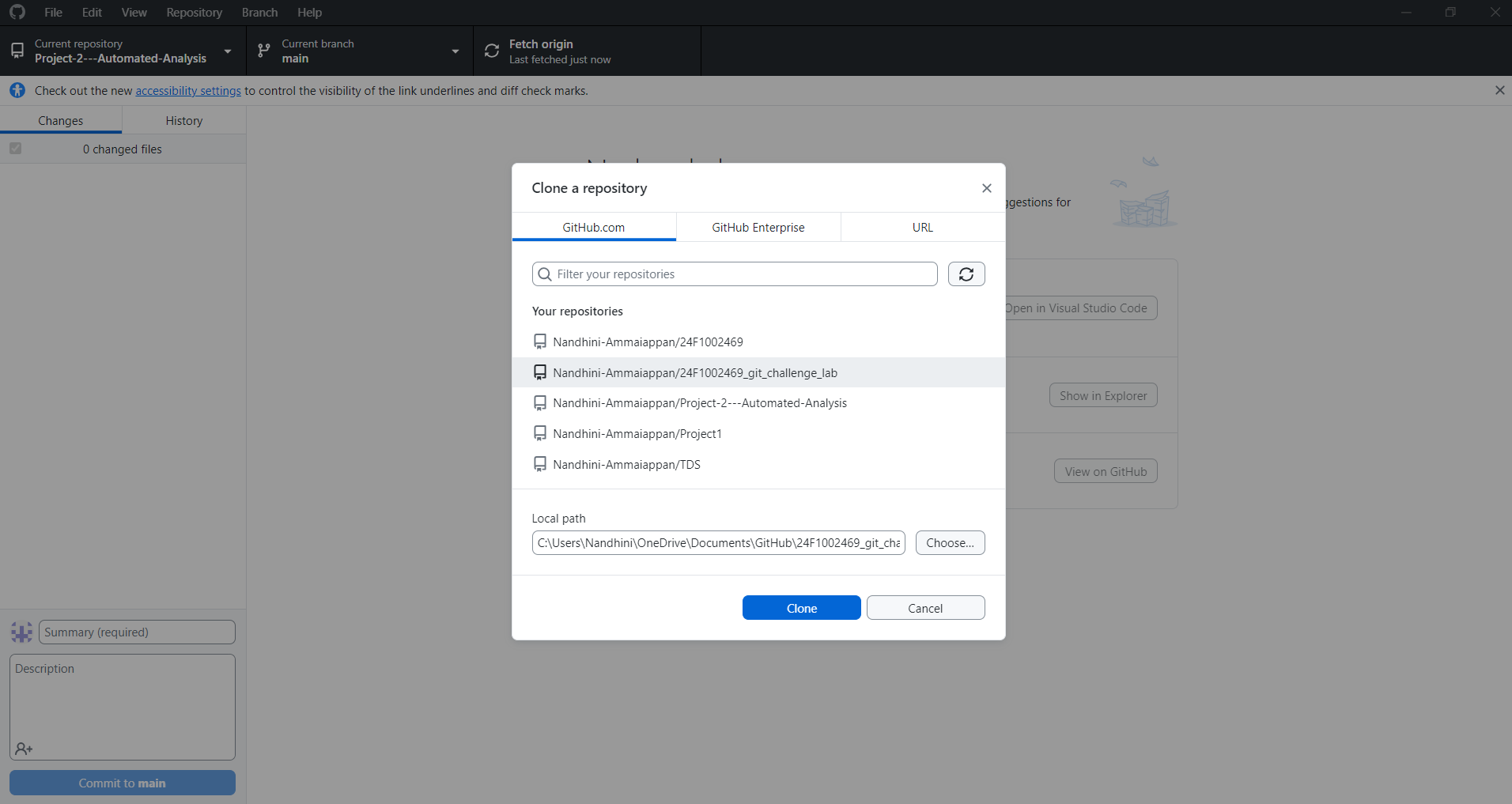
### Build a repo using scenario:

* Python project for arithmetic operations(sum, difference, product etc.,).

### Create new repository on github with basic README file

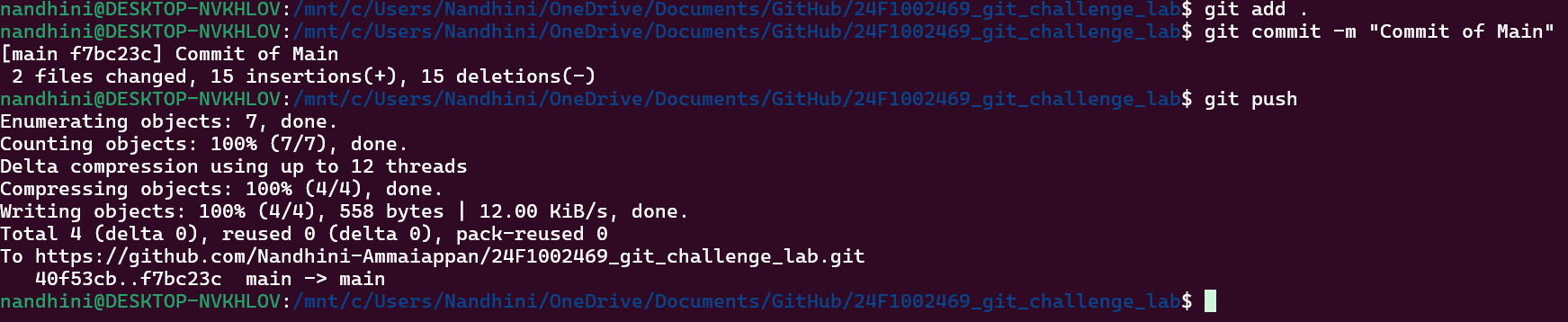


### Clone the repo into local git



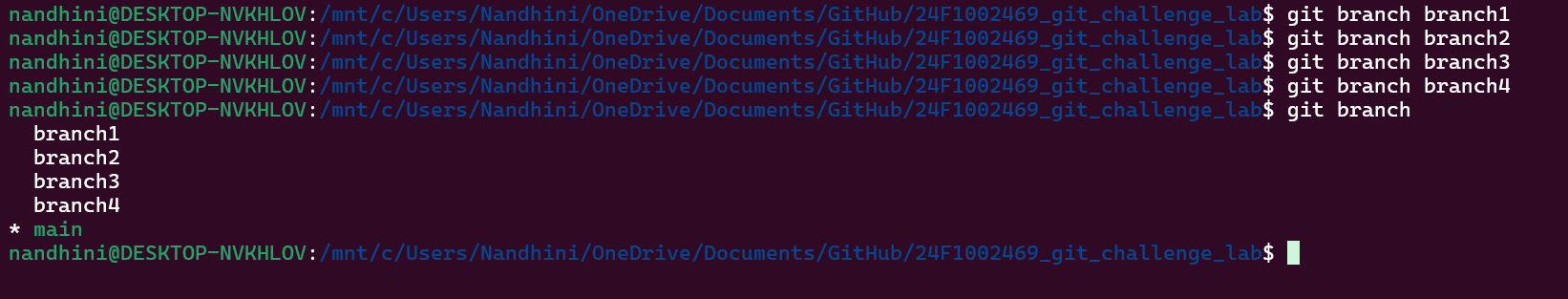
### Add first basic module.

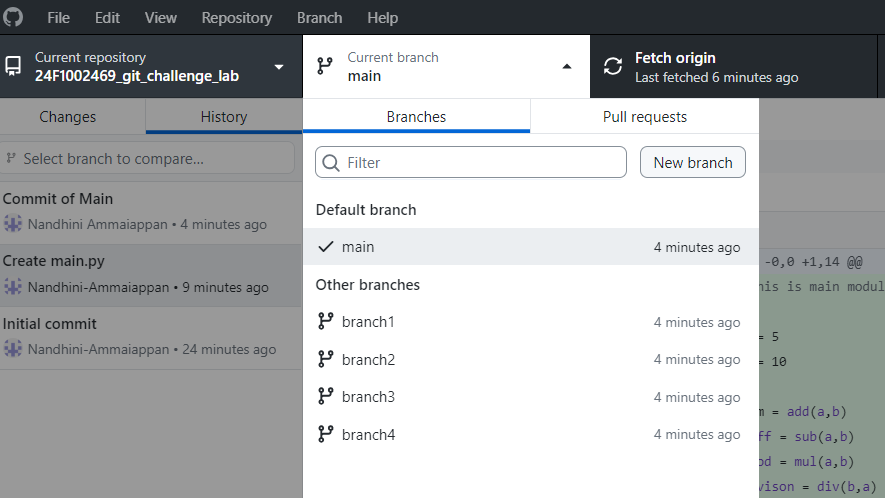
* Initially you can add/commit/push **main.py** for python project as first file into **main/master** branch.



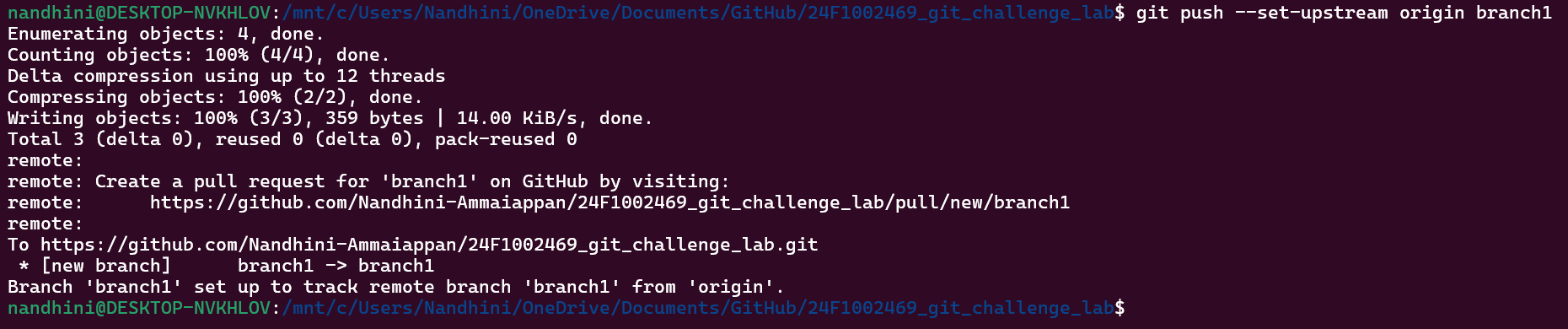
### Add other modules through branches.

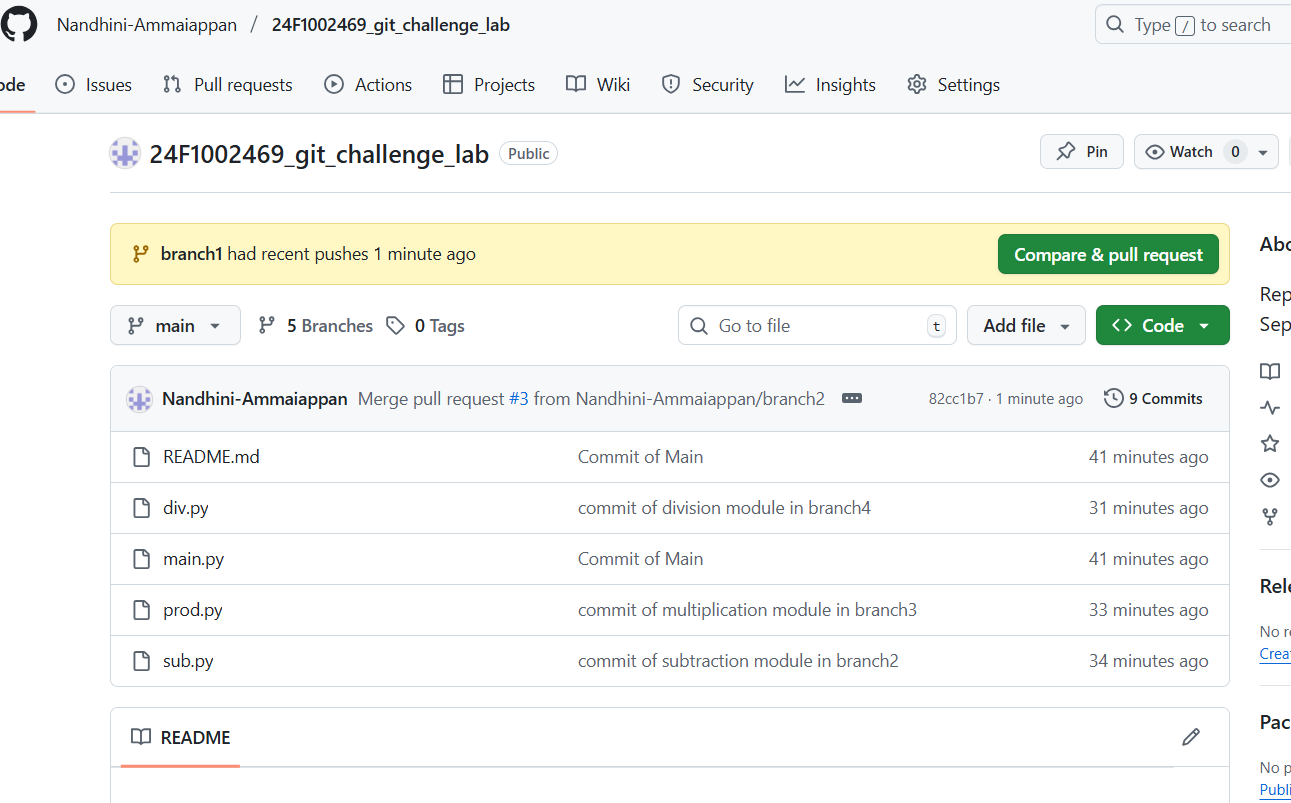
* Later you can add/commit/push other module files(**sum.py, difference.py, etc)** as separate branches like **feature1, feature2** etc.,.



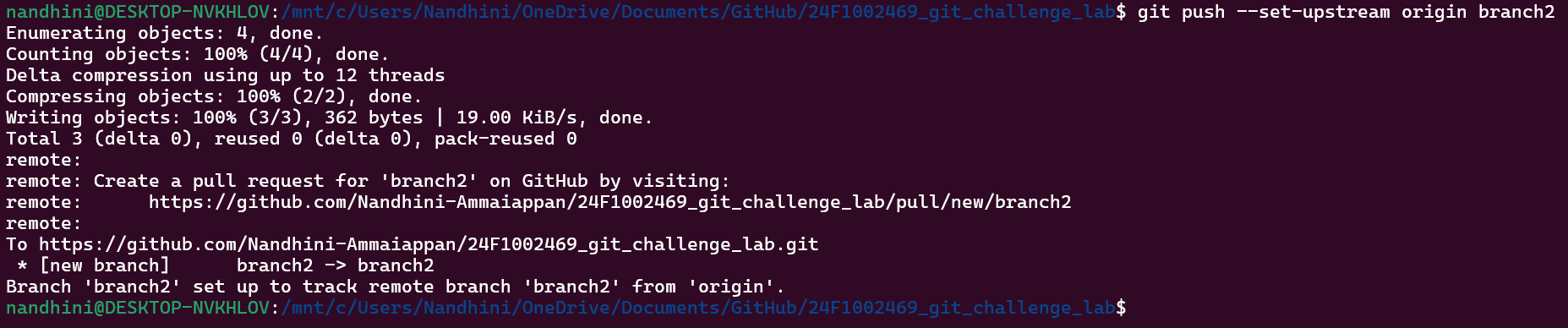


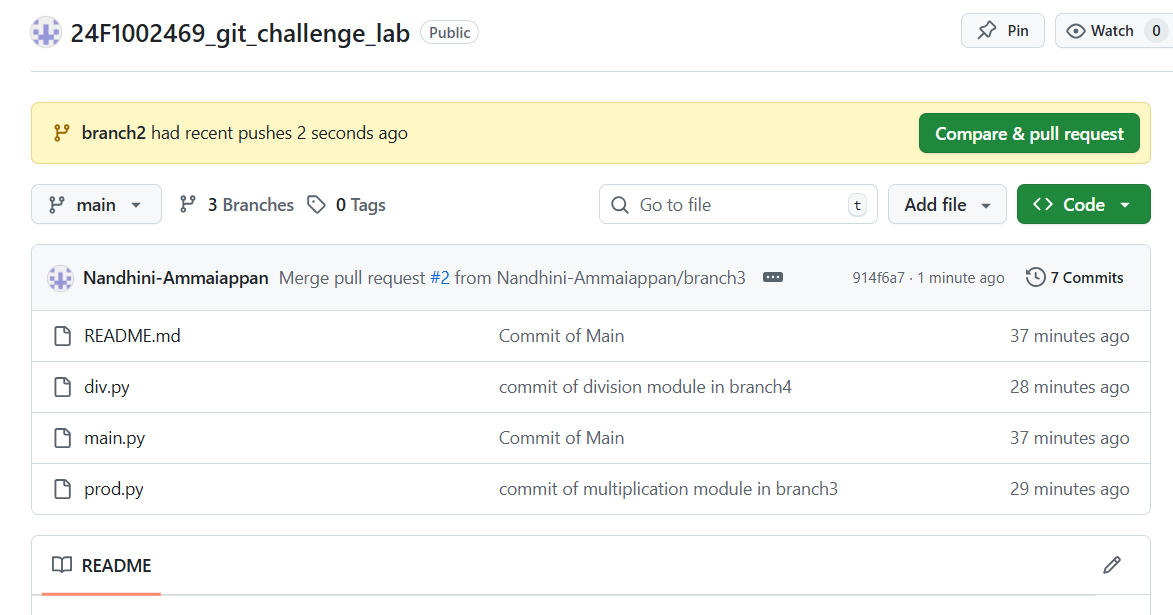
Branch 1:



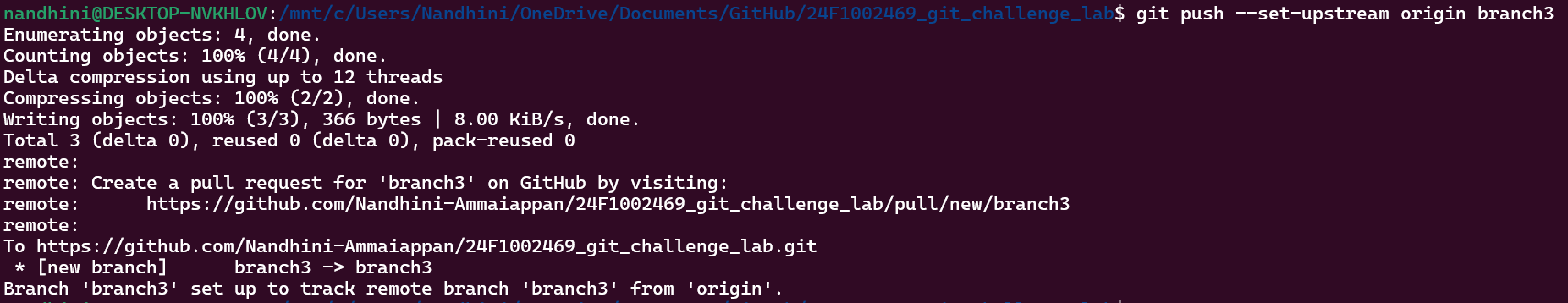


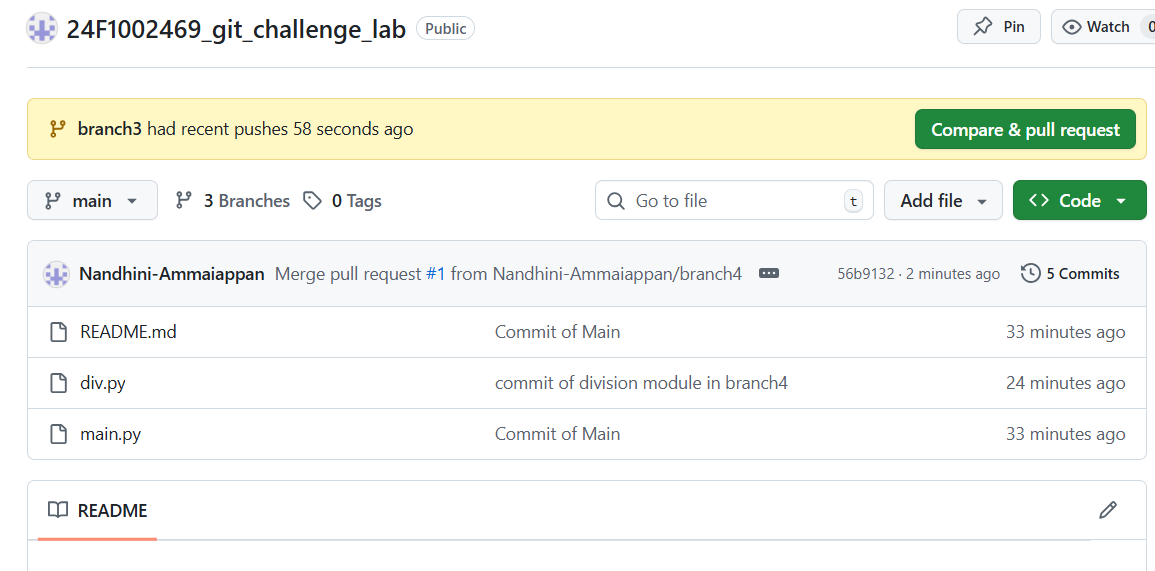
Branch 2:



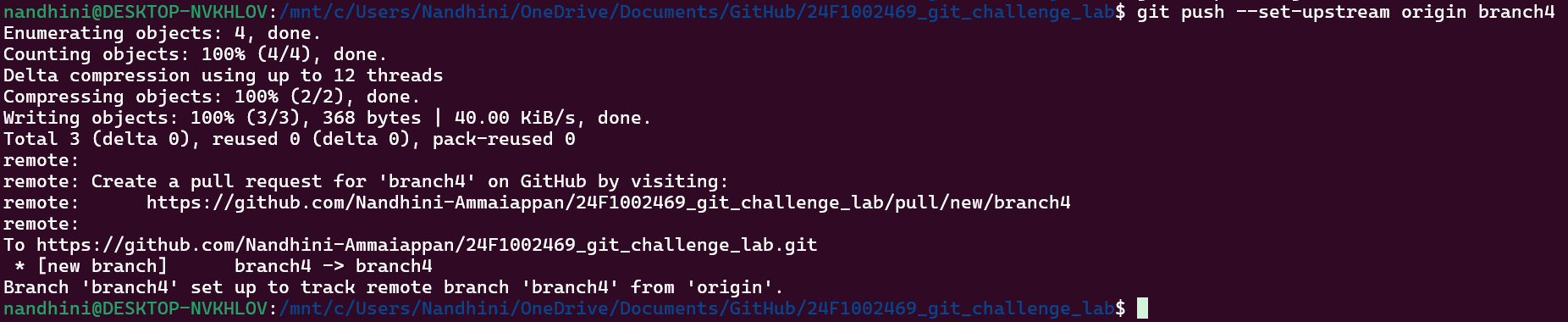


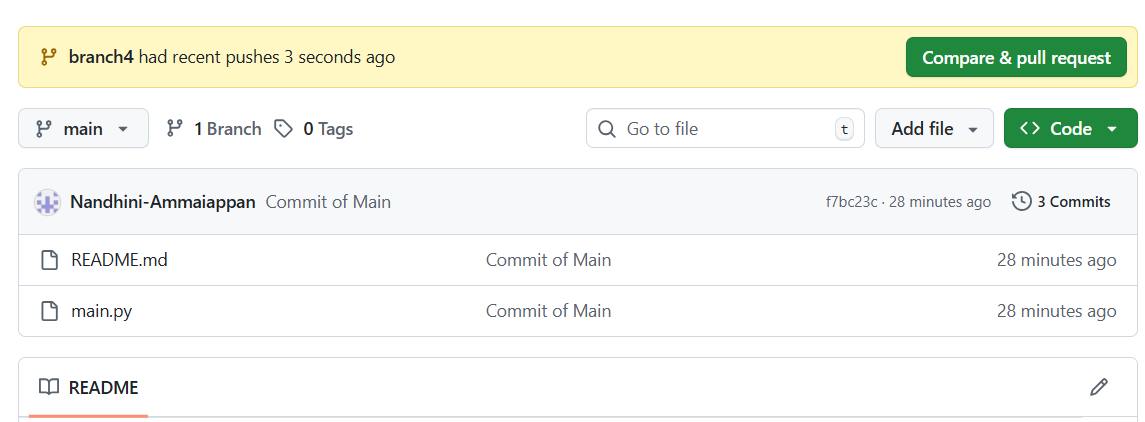
Branch 3:





Branch 4:

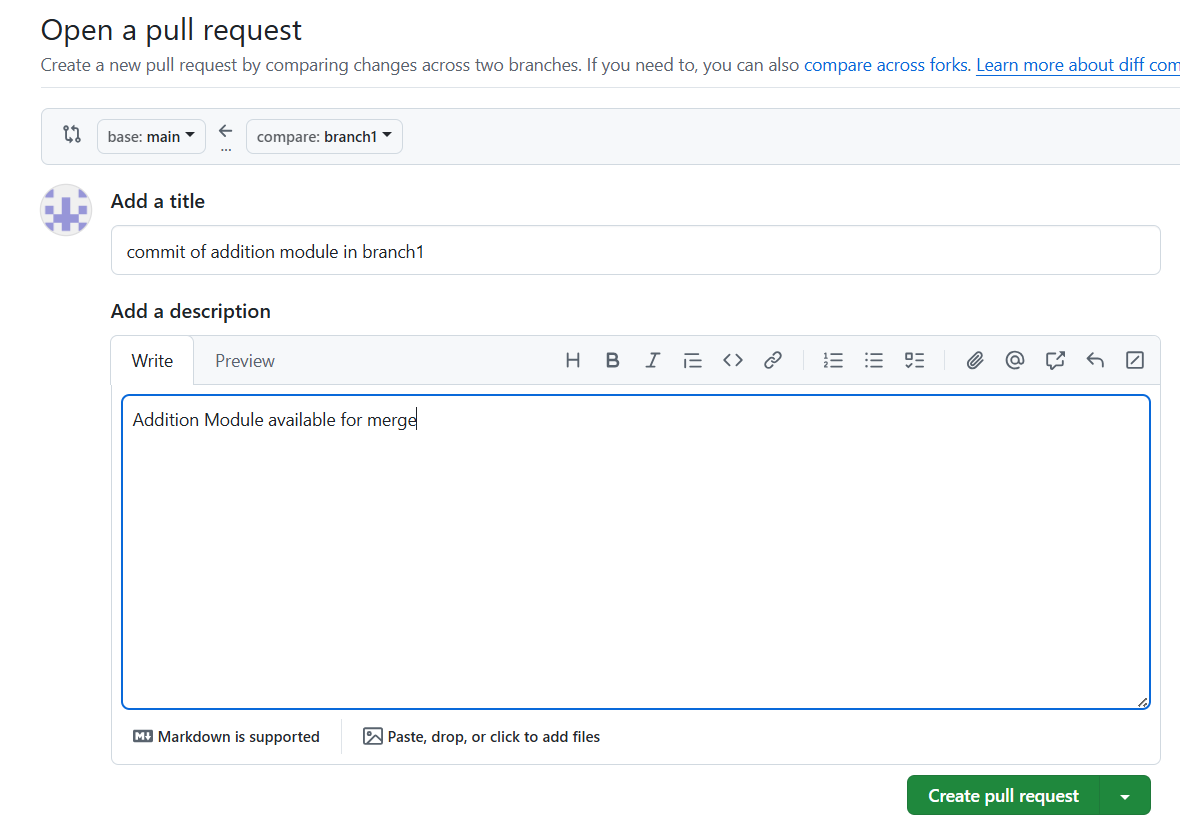


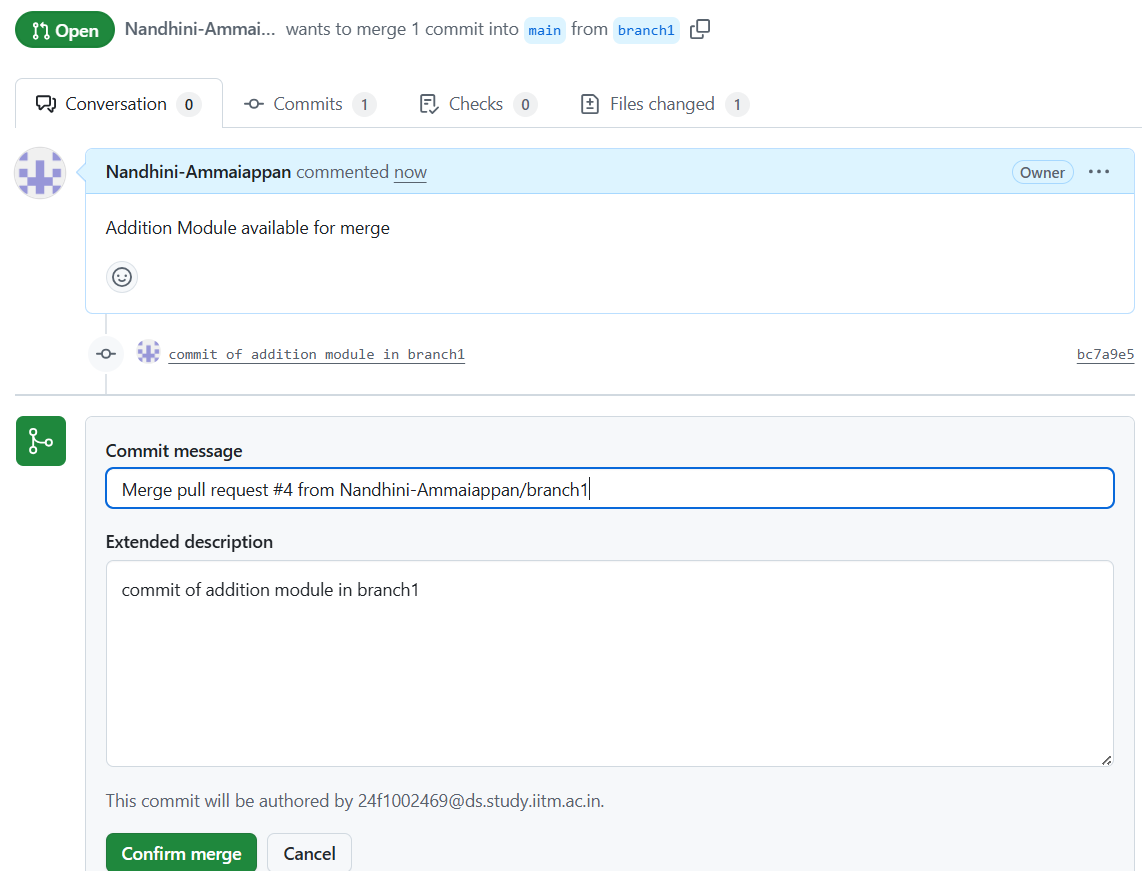


### Raise Pull Request

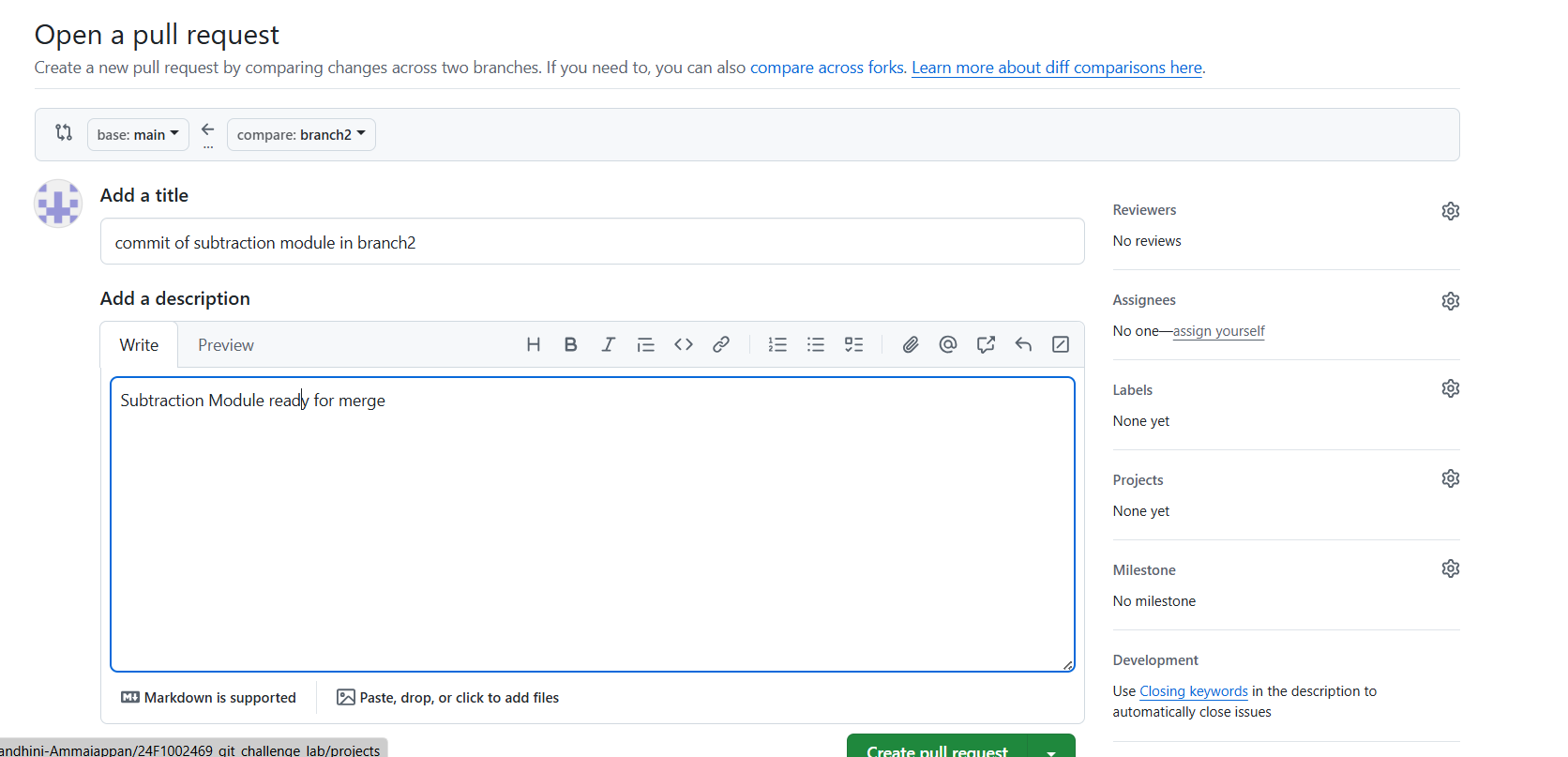
* Raise pull request(PR) for each branch and merge them with reliable message.

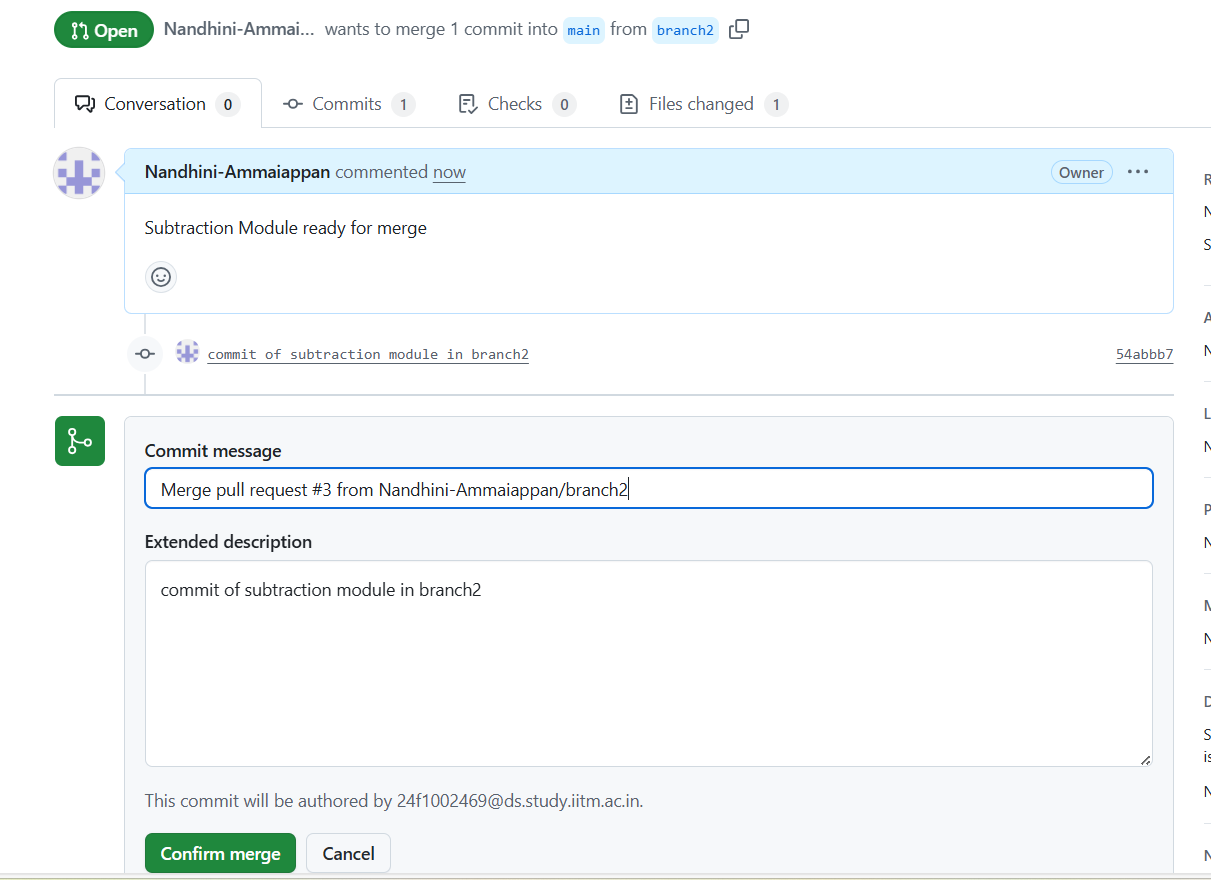
Branch 1:



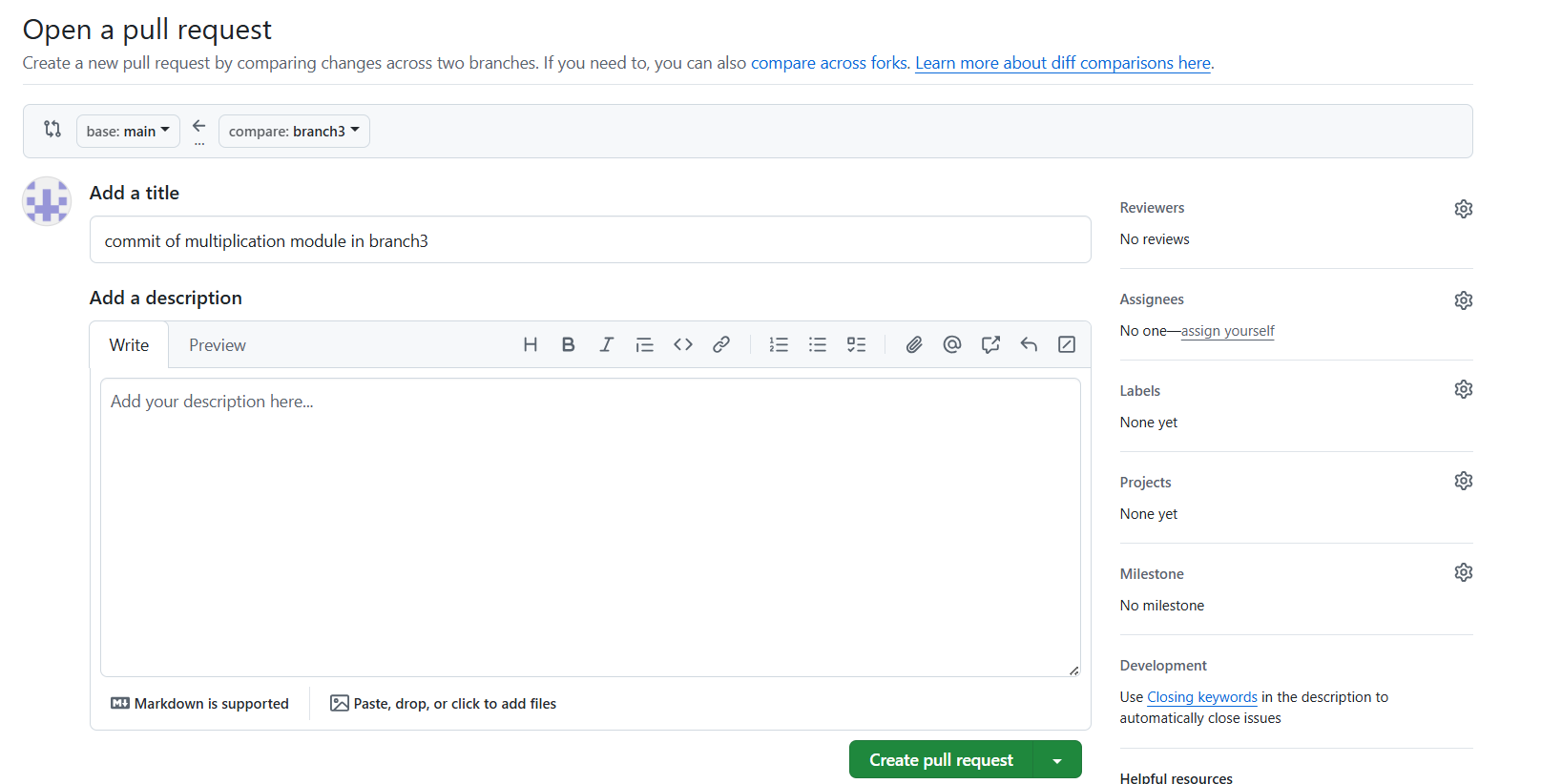


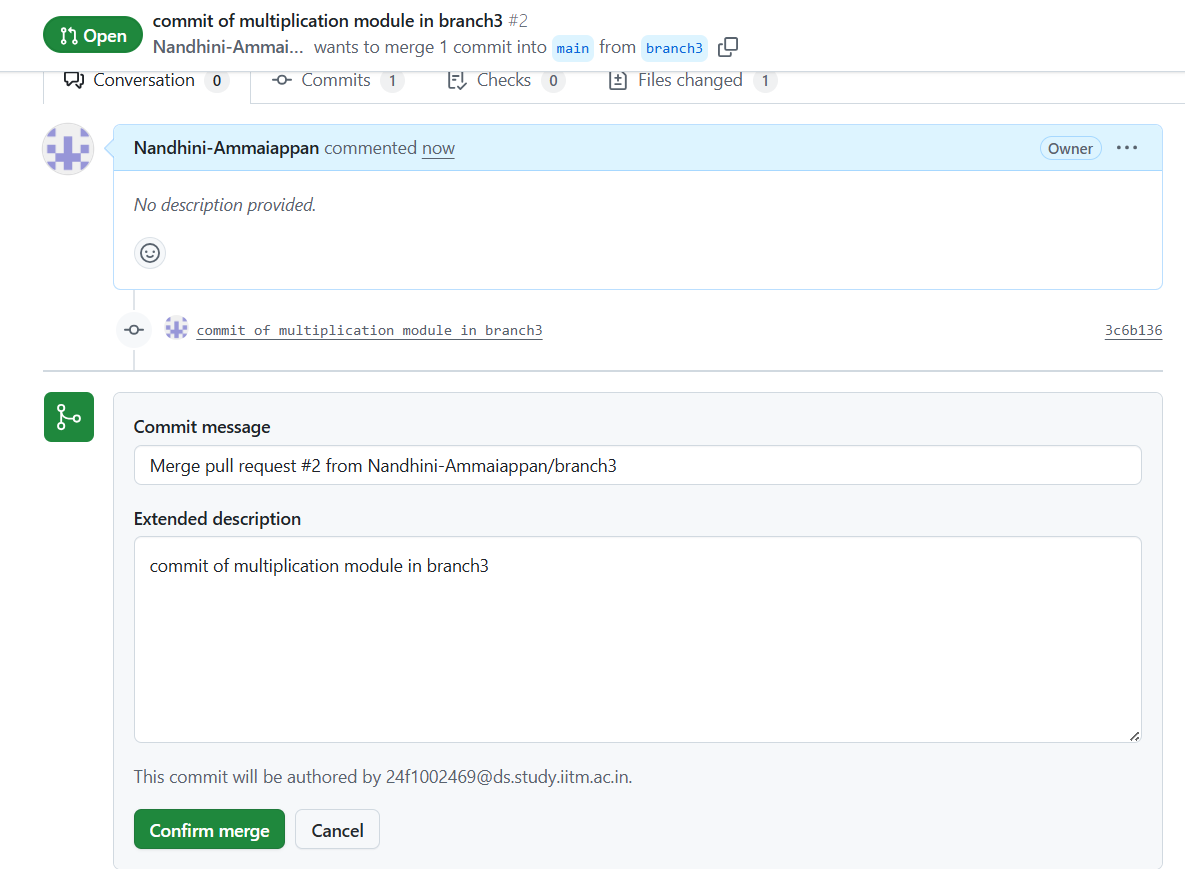
Branch 2:



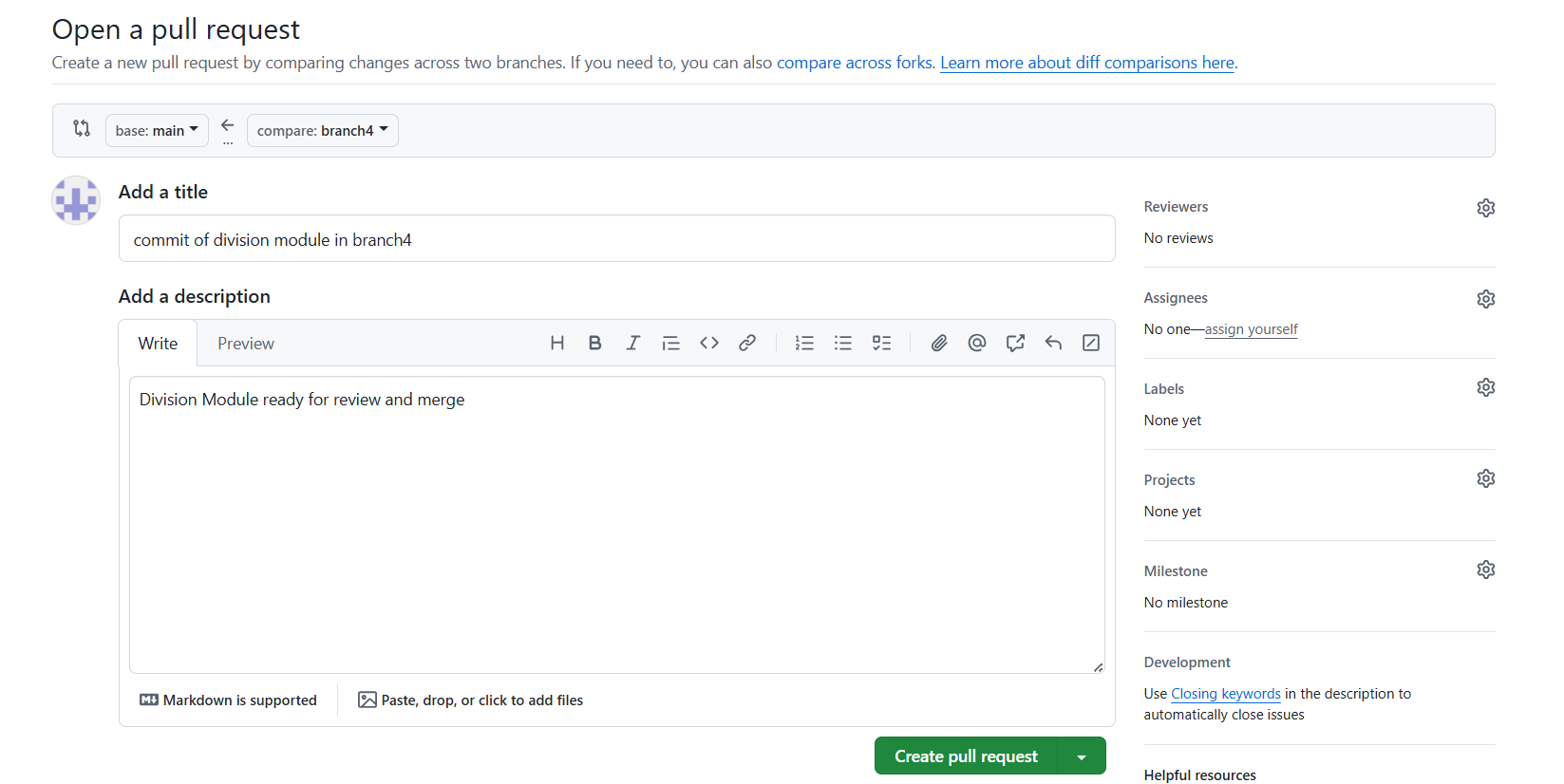


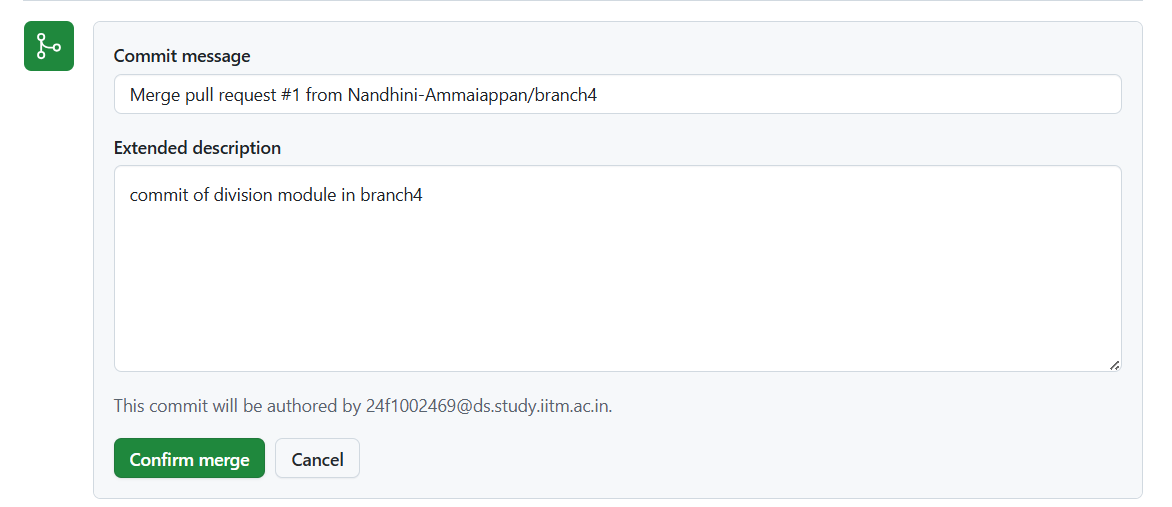
Branch 3:





Branch 4:





### Final Repo

