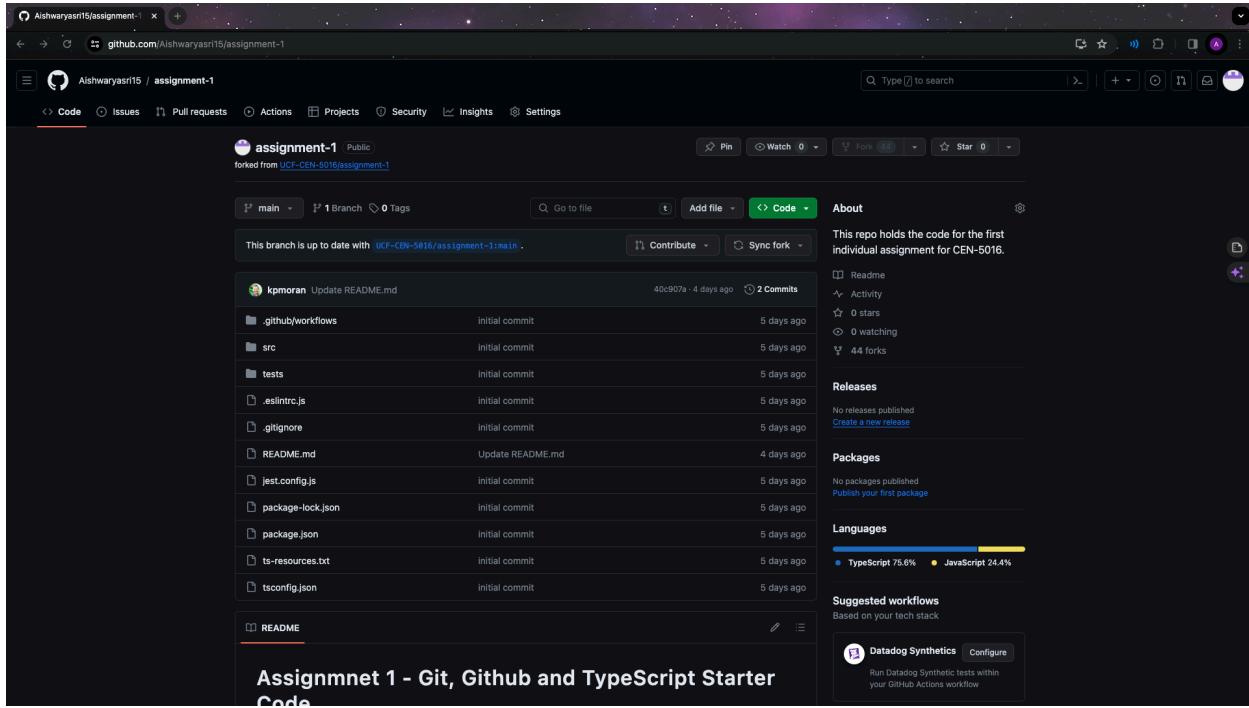


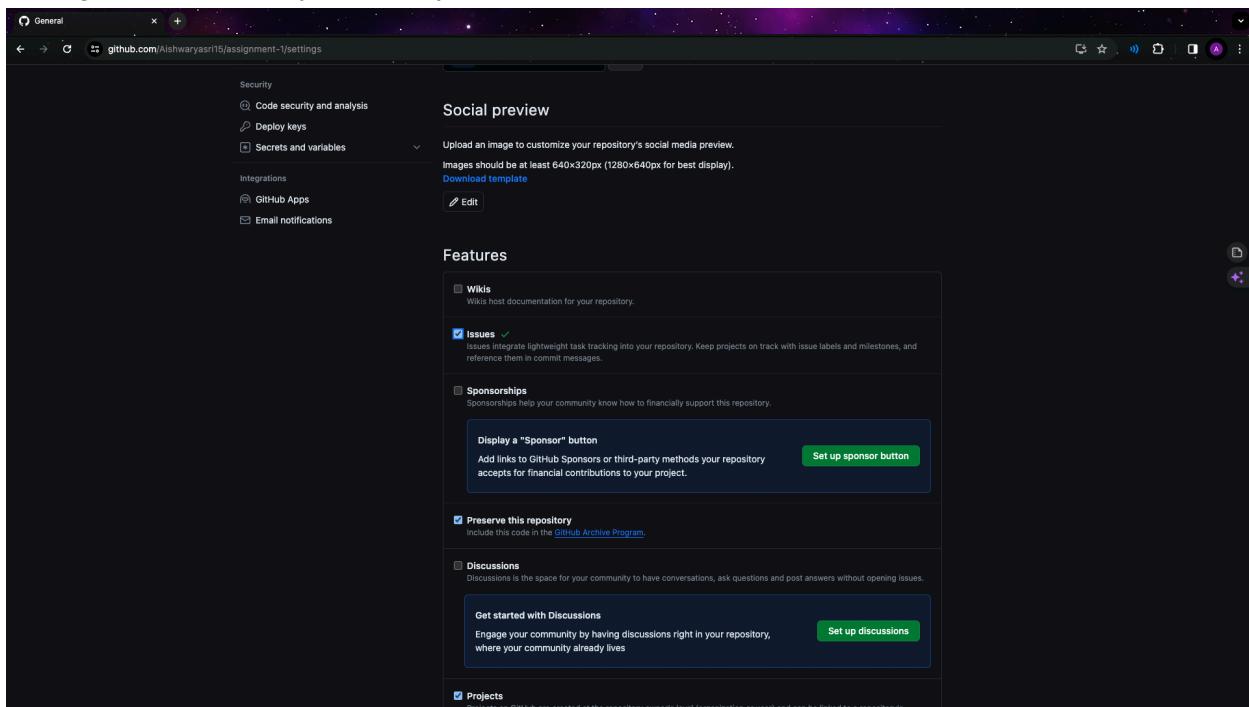
ASSIGNMENT-1

PART 1A:

Forking the given repository to my github account by clicking the fork bottom on the top right.



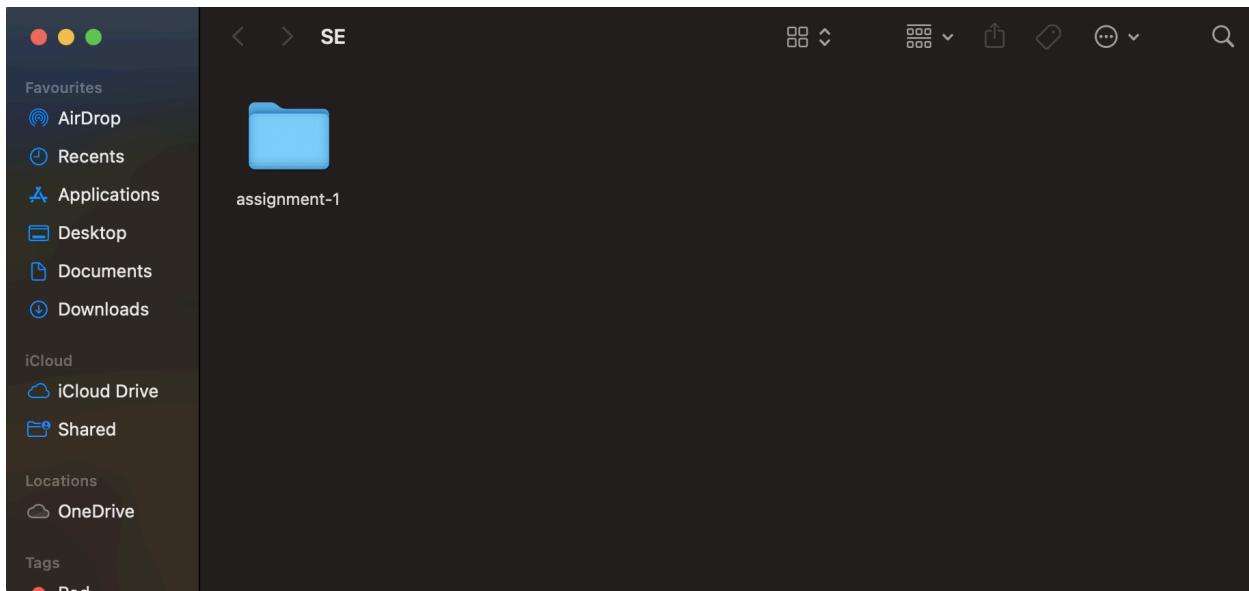
Adding issues tab to my repository



Cloning the repository on my local machine using the following command.

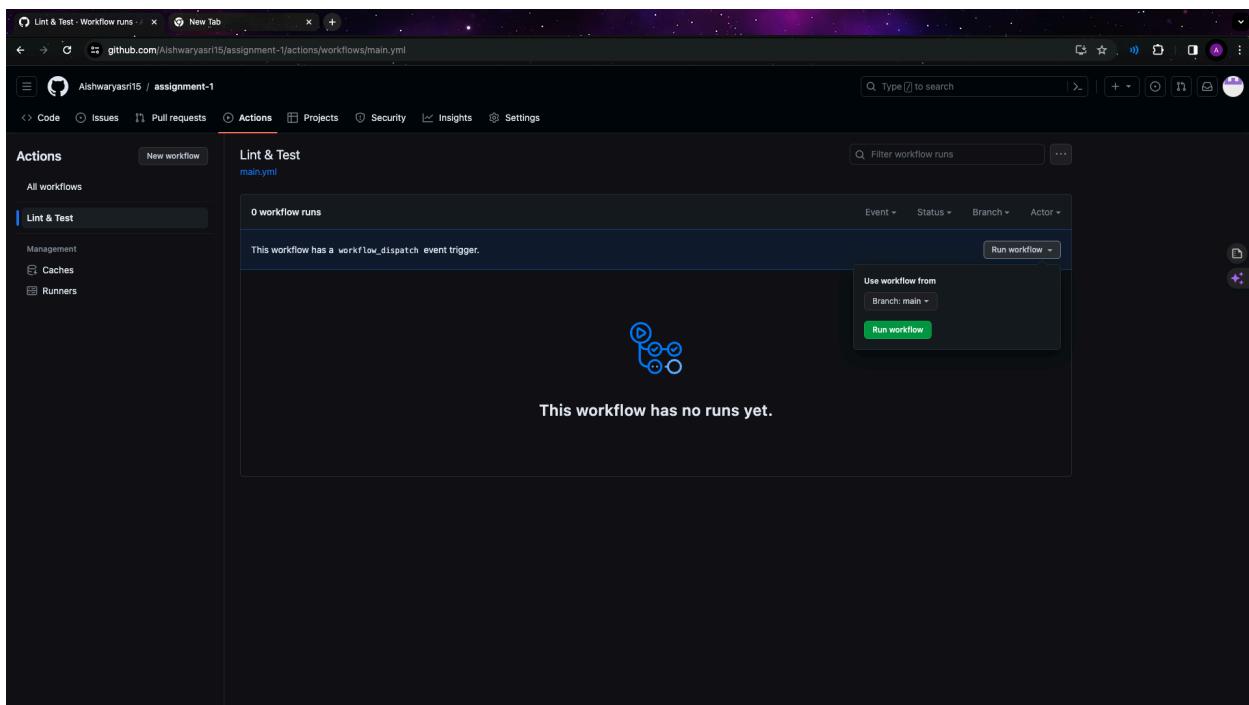
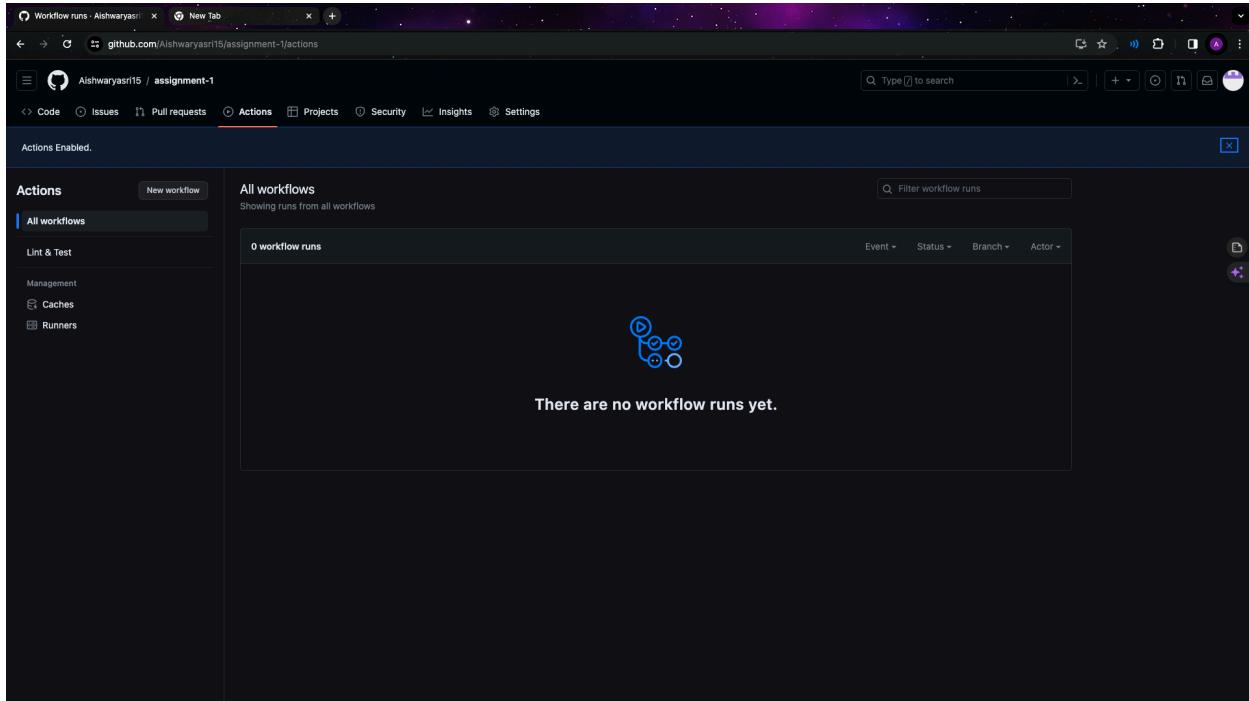
```
git clone https://github.com/Aishwaryasri15/assignment1.git
```

```
Last login: Mon Jan 15 17:50:06 on ttys000
/dev/fd/12:18: command not found: compdef
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro ~ % cd desktop
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro desktop % cd CEN 5016
cd: string not in pwd: CEN
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro desktop % ls
DSA
FileZilla.app
Grader
OneDrive - Knights - University of Central Florida
PW SKILLS
Resume.pdf
SE
Screenshot 2024-01-15 at 5.46.56 PM (2).png
Screenshot 2024-01-15 at 5.46.56 PM.png
Screenshot 2024-01-15 at 5.51.01 PM (2).png
Screenshot 2024-01-15 at 5.51.01 PM.png
Visual Studio Code.app
prep
untitled folder
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro desktop % cd se
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro se % git clone https://github.com/Aishwaryasri15/assignment-1.git
Cloning into 'assignment-1'...
remote: Enumerating objects: 22, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 22 (delta 1), reused 0 (delta 0), pack-reused 14
Receiving objects: 100% (22/22), 52.67 KiB | 1.39 MiB/s, done.
Resolving deltas: 100% (2/2), done.
(base) aishwaryasripati@Aishwaryas-MacBook-Pro se %
(base) aishwaryasripati@Aishwaryas-MacBook-Pro se %
```

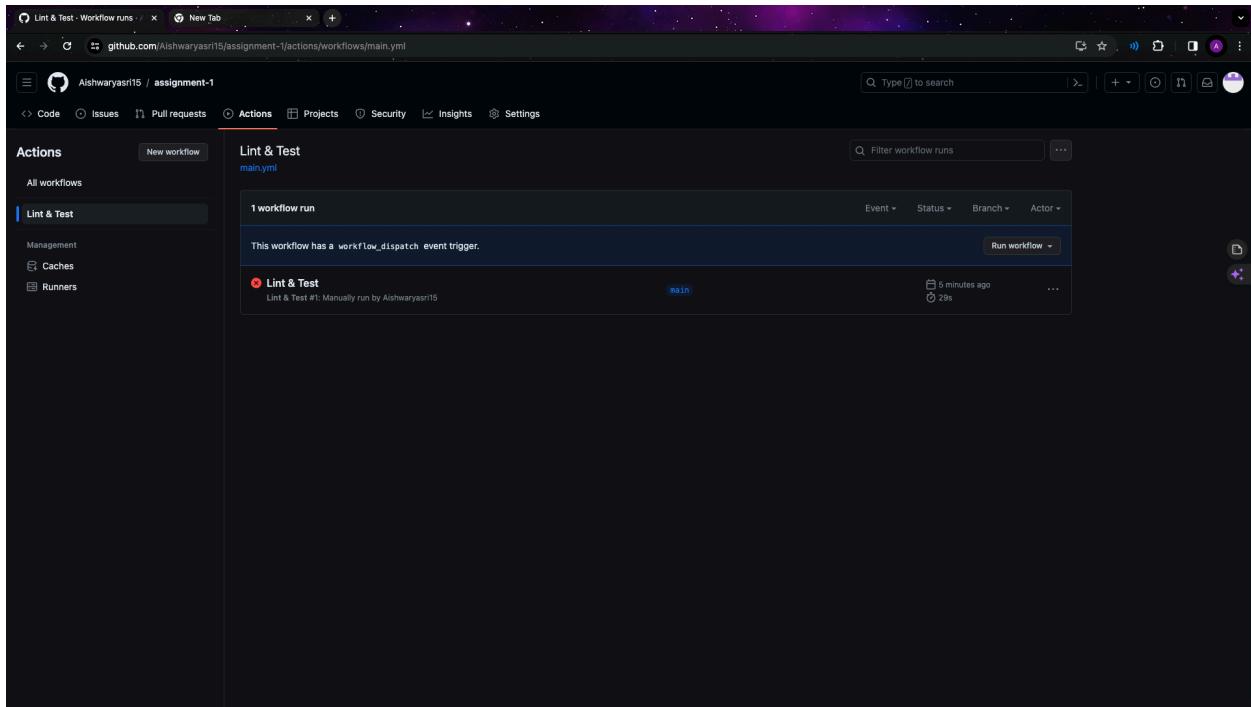


PART 1B:

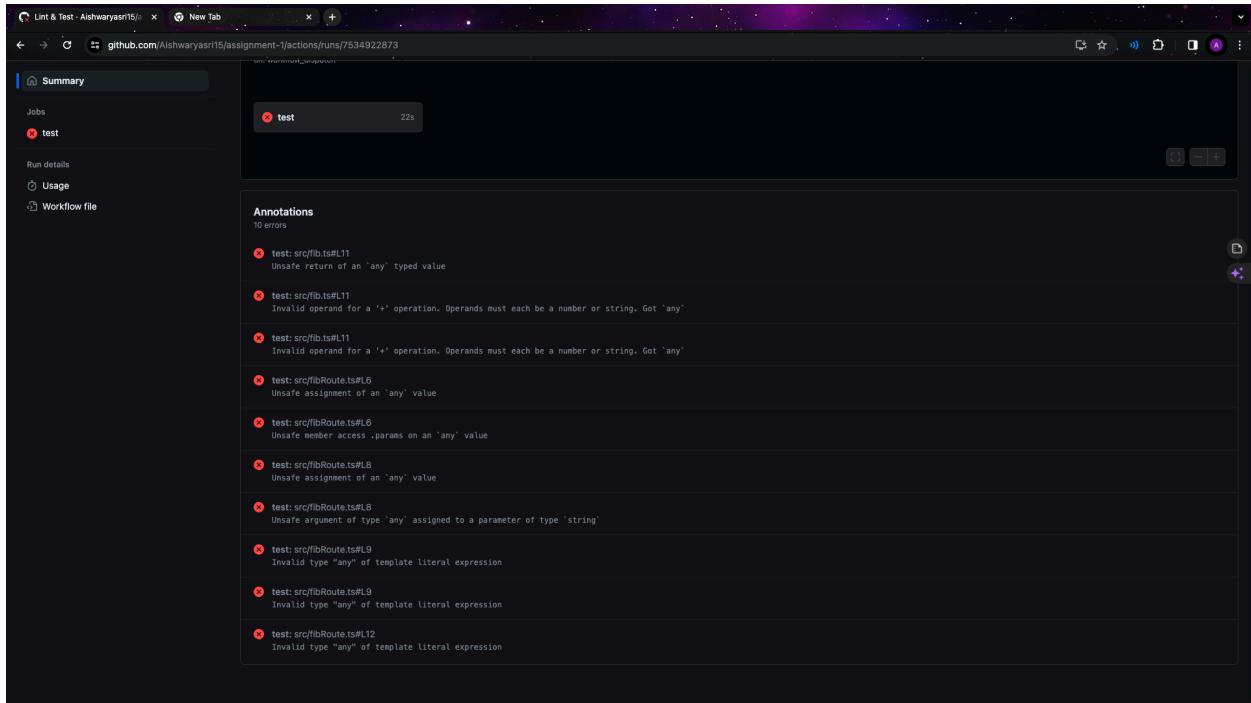
Click on the "Run workflow" dropdown, then the "Run workflow" button (leave Branch to be main). This runs the GitHub workflow that runs the linter and tests on the project



After selecting link and test workflow. It showed all the errors as shown in the screenshot.



This screenshot shows the GitHub Actions interface for a 'Lint & Test' workflow. The left sidebar has 'Actions' selected, with 'All workflows' and 'Lint & Test' highlighted. The main area displays a single workflow run for 'main.yml'. The run summary indicates it has 1 workflow run, triggered by a 'workflow_dispatch' event, and was manually run by Aishwaryasri15. The status is 'In Progress' (indicated by a blue bar) with a progress of 5 minutes ago and 29% completion. A 'Run workflow' button is visible. The overall status is 'Success'.

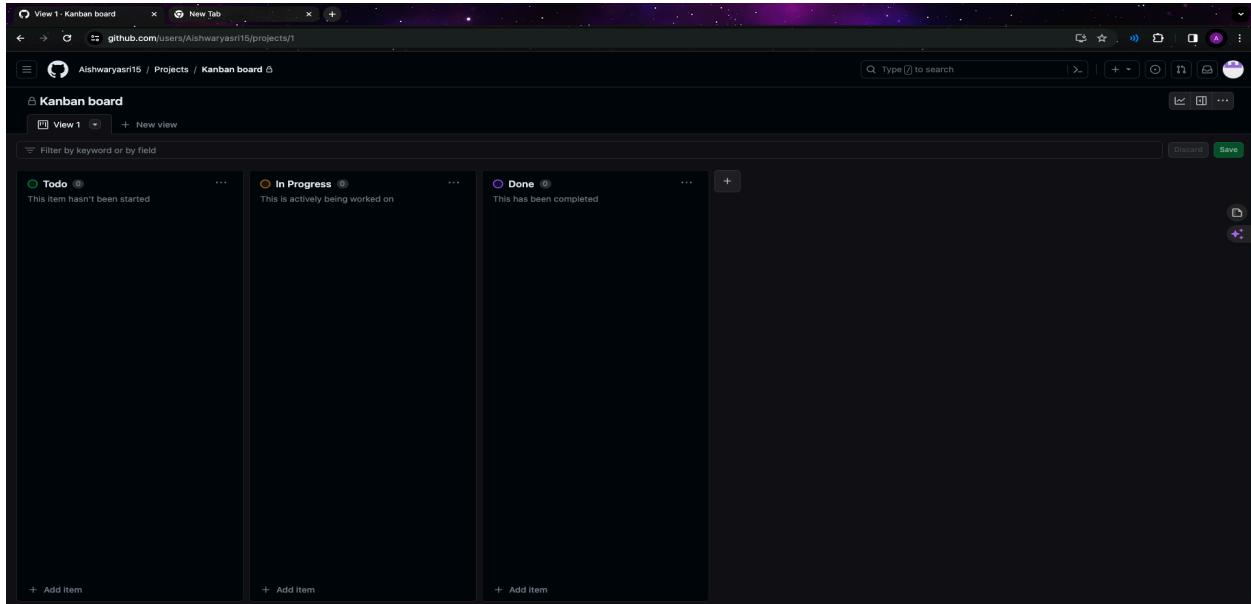


This screenshot shows the detailed view of the 'test' job from the previous workflow run. The 'Summary' tab is selected, showing 22s for the duration. Below it, the 'Annotations' section lists 10 errors, each with a red circle icon and a file path and line number. The errors are:

- test:src/fib.ts#L11 Unsafe return of an 'any' typed value
- test:src/fib.ts#L11 Invalid operand for a '+' operation. Operands must each be a number or string. Got 'any'
- test:src/fib.ts#L11 Invalid operand for a '+' operation. Operands must each be a number or string. Got 'any'
- test:src/fibRoute.ts#L6 Unsafe assignment of an 'any' value
- test:src/fibRoute.ts#L6 Unsafe member access .params on an 'any' value
- test:src/fibRoute.ts#L8 Unsafe assignment of an 'any' value
- test:src/fibRoute.ts#L8 Unsafe argument of type 'any' assigned to a parameter of type 'string'
- test:src/fibRoute.ts#L9 Invalid type "any" of template literal expression
- test:src/fibRoute.ts#L9 Invalid type "any" of template literal expression
- test:src/fibRoute.ts#L12 Invalid type "any" of template literal expression

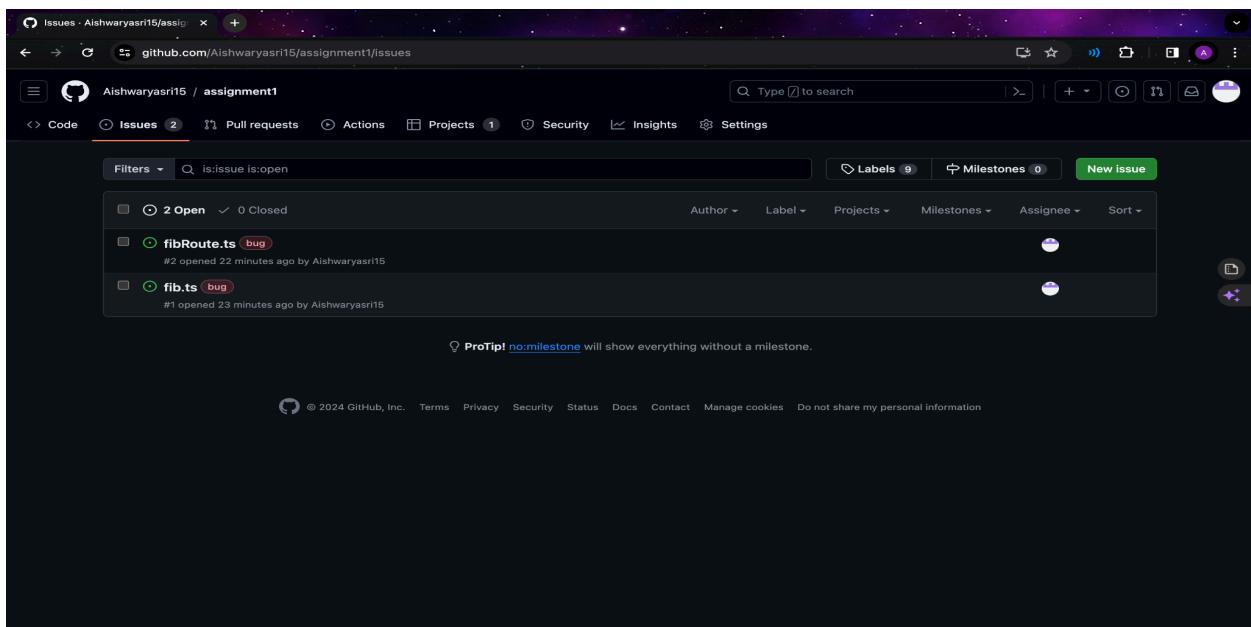
PART 2:

Create a project board by clicking on the Projects tab, and then "New project" under the "Link a project" drop down button. Use the "Board" template. Name the template as Kanban board.



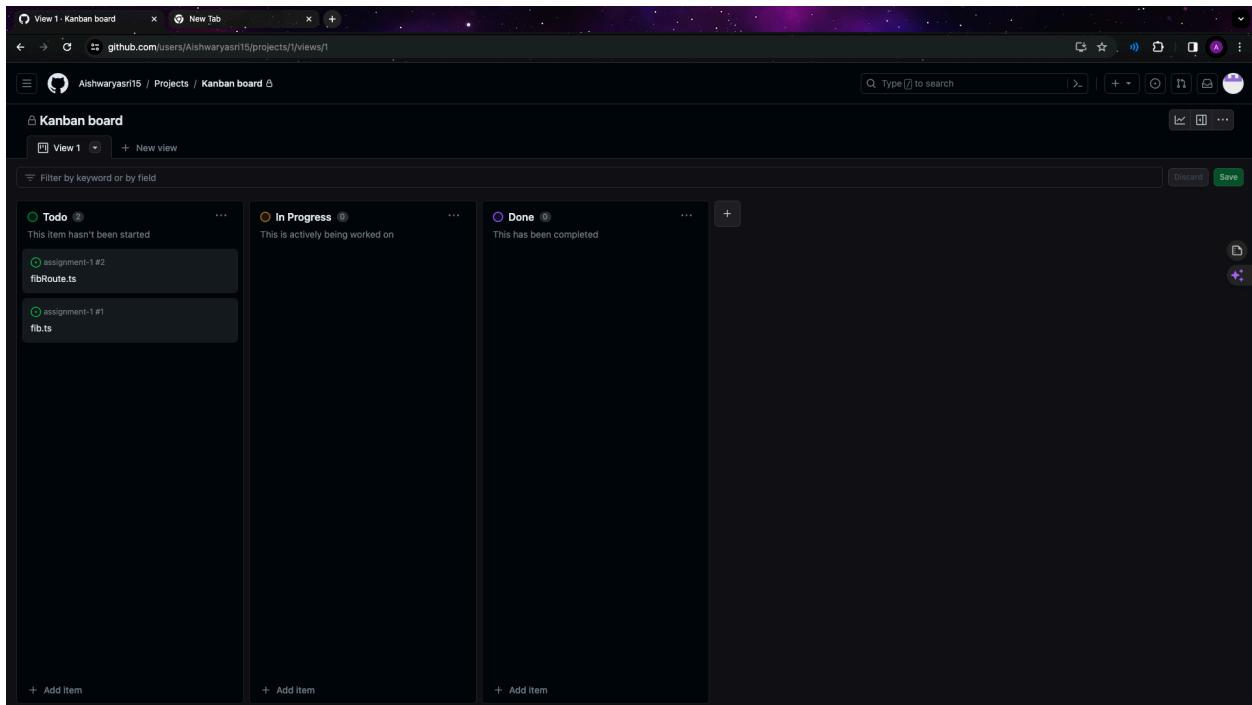
Under the Issues tab, create an issue for correctly translating each typescript file that fails the eslint workflow

I have created the two issues under the Issue tab because two typescript file fails in the eslint workflow as shown in the below screenshot.



Assign yourselves to both issues, and add the issues to the project Kanban board you just created using the "Projects" option (two fields below "Assignees")

Assigned myself to the issues and added to the kanban board.



PART 3:

Check Out Your Branch: Used this command to create a branch
git checkout fix-type-errors

Open the File with a Text Editor: I used the visual studio code editor and opened the given folder

Make Changes: Made necessary changes and tested file by using the command
Npm run list
I got zero errors

Save Changes: Saved the file.

Commit Changes:

Stage and commit changes using bash by below commands
git add .

git commit -m "git commit -m "fix type errors"

Push Changes: Push your changes to the remote repository using the following command.
git push --set-upstream origin fix-type-errors

```
Last login: Mon Jan 15 21:04:10 on ttys000
/dev/fd/12:18: command not found: compdef
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro ~ % cd desktop
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro desktop % cd se
[(base) aishwaryasripati@Aishwaryas-MacBook-Pro se % cd assignment-1
(base) aishwaryasripati@Aishwaryas-MacBook-Pro assignment-1 % git checkout -b fix-type-errors

Switched to a new branch 'fix-type-errors'
(base) aishwaryasripati@Aishwaryas-MacBook-Pro assignment-1 % git add .

(base) aishwaryasripati@Aishwaryas-MacBook-Pro assignment-1 % git commit -m "Fix type errors"
[[fix-type-errors 0b120ab] Fix type errors
 2 files changed, 2873 insertions(+), 1298 deletions(-)
(base) aishwaryasripati@Aishwaryas-MacBook-Pro assignment-1 % git push --set-upstream origin fix-type-errors
Enumerating objects: 31, done.
Counting objects: 100% (31/31), done.
Delta compression using up to 8 threads
Compressing objects: 100% (26/26), done.
Writing objects: 100% (31/31), 64.36 KiB | 10.73 MiB/s, done.
Total 31 (delta 8), reused 18 (delta 2), pack-reused 0
remote: Resolving deltas: 100% (8/8), done.
remote:
remote: Create a pull request for 'fix-type-errors' on GitHub by visiting:
remote:   https://github.com/Aishwaryasri15/assignment-1/pull/new/fix-type-errors
remote:
To https://github.com/Aishwaryasri15/assignment-1.git
 * [new branch]      fix-type-errors -> fix-type-errors
branch 'fix-type-errors' set up to track 'origin/fix-type-errors'.
(base) aishwaryasripati@Aishwaryas-MacBook-Pro assignment-1 % ]
```

PART 4: Writing Pull Requests

After pushing to the remote repository. You can view as shown in the below in the github. Then click on the compare and pull request button.

The screenshot shows a GitHub repository page for 'assignment-1'. The repository is public and was forked from 'UCF-CEN-5016/assignment-1'. The main branch is 'main', which is 5 commits ahead of the original repository's 'main' branch. There are 2 branches and 0 tags. The repository has 0 stars and 52 forks. The 'About' section states: 'This repo holds the code for the first individual assignment for CEN-5016.' It includes links for 'Readme', 'Activity', '0 stars', '0 watching', and '52 forks'. The 'Releases' section indicates 'No releases published' and provides a link to 'Create a new release'. The 'Packages' section shows 'No packages published' and a link to 'Publish your first package'. The 'Languages' section shows TypeScript at 76.1% and JavaScript at 23.9%. The repository contains files like .github/workflows, src, tests, .eslintrc.js, .gitignore, README.md, jest.config.json, package-lock.json, package.json, ts-resources.txt, and tsconfig.json, all updated by the user 'Aishwaryasri15'.

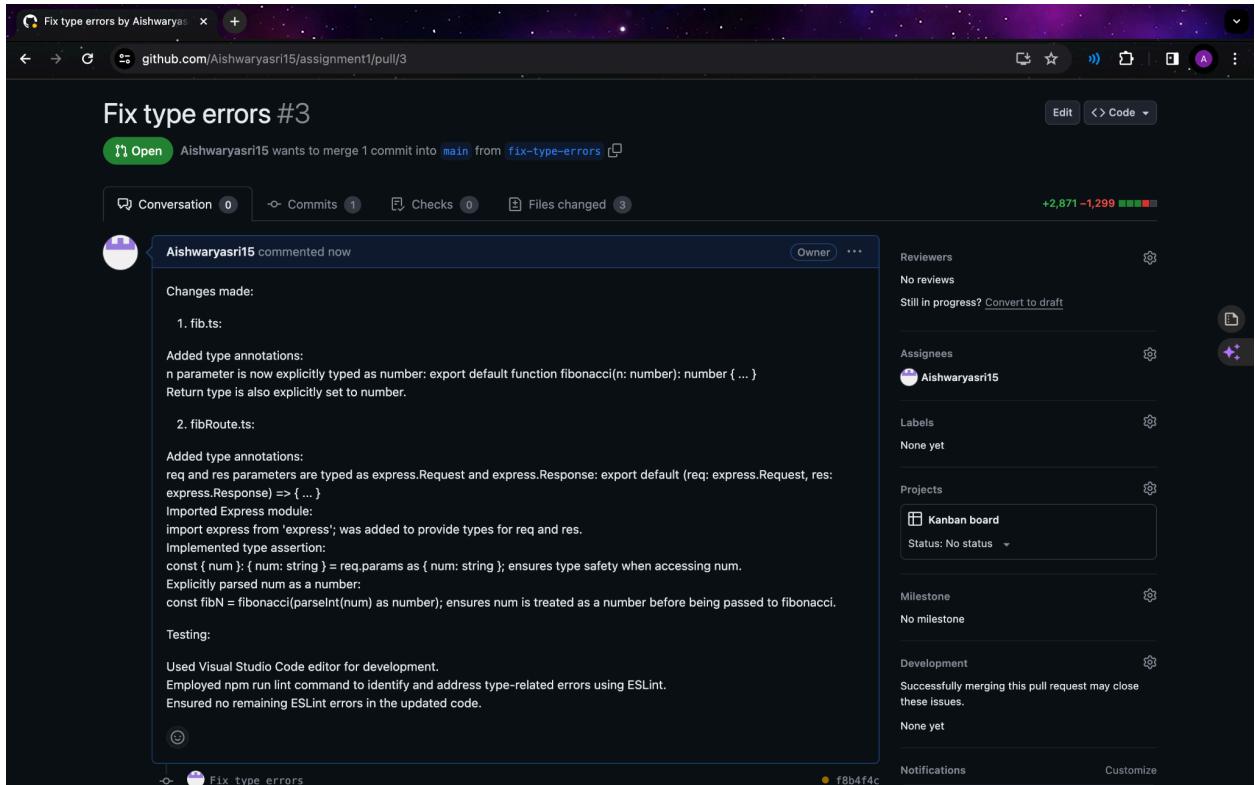
Make sure it is to the main of your own forked repository! By default, Github selects the original repository instead of your own forked repository.

Name your pull request appropriately

In the description, describe what changes has been made to address the issue, and how has the changes been tested

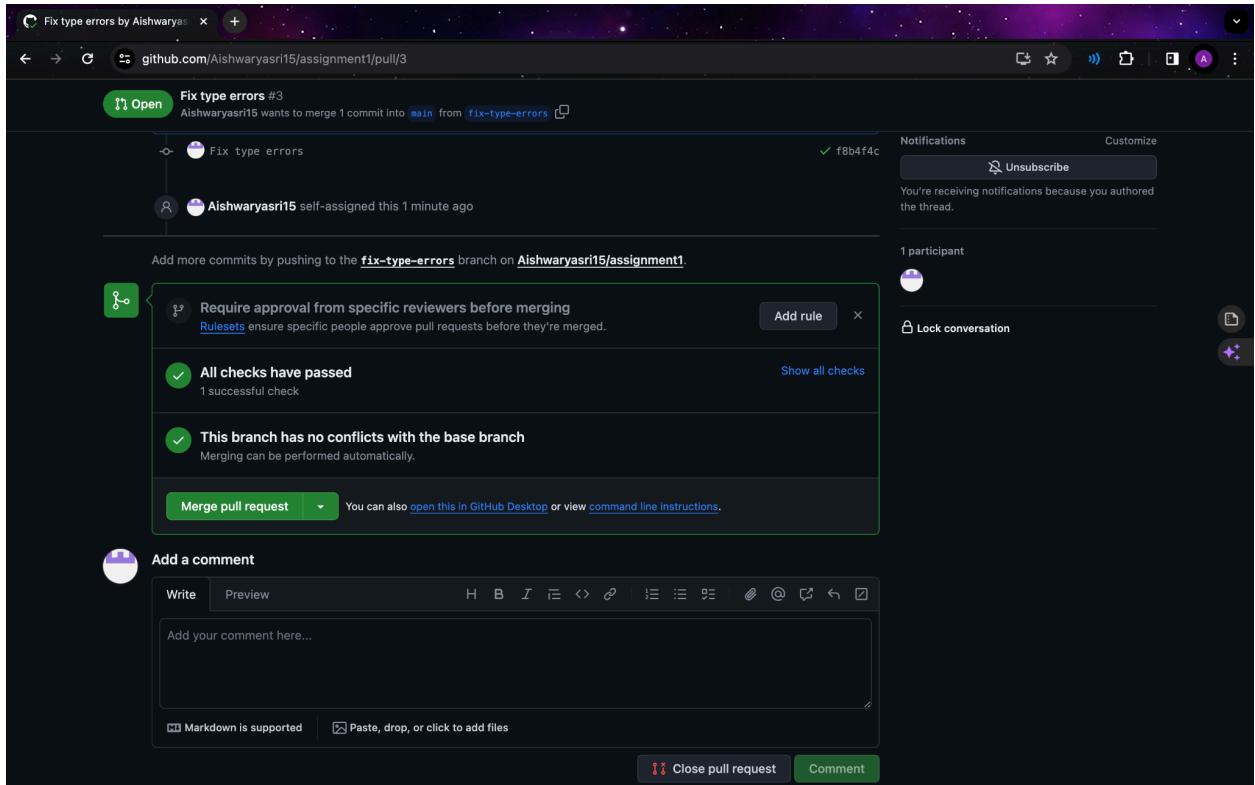
Assign the issue you created to the pull request

After changing to the main of my own forked repository. After that named it as a fix type errors and added the description as shown in the below.Then click on th create pull request button and Assigned msyself to the created pull request.



Notice that the GitHub action workflow runs automatically when you create the pull request! You should check that there are no eslint errors associated with the file that you translated and that the correctness tests still pass. * Note that the GitHub action itself won't pass because the linter won't pass until both files are translated, i.e. both PRs are merged. *****

As shown in the below screenshot it passes the all the checks and no eslint errors. Then click on the merge pull request button to merge the branch to the main branch.



PART 5a: Doing Code Reviews and Resolving Merge Conflicts

**Review your code (use the review change button). Approve changes if it looks good
Once your PR has been reviewed, merge your changes! Resolve any merge conflicts that arises accordingly**

Everything seemed perfect. There is no conflicts after merging as shown in the figure.

A screenshot of a GitHub pull request page. The title is "Fix type errors #3". It shows a "Merged" status with a timestamp of "1 hour ago". A note says "Employed npm run lint command to identify and address type-related errors using ESLint. Ensured no remaining ESLint errors in the updated code." Below this, a commit by "Aishwaryasri15" is shown with the message "self-assigned this 1 hour ago". Another commit by "Aishwaryasri15" merged "fix-type-errors" into "main" 1 hour ago, with "1 check passed". A success message box says "Pull request successfully merged and closed. You're all set—the fix-type-errors branch can be safely deleted." There is a "Delete branch" button. A comment section is open with a placeholder "Add your comment here...". A note at the bottom says "Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).
ProTip! Add `_patch` or `_diff` to the end of URLs for Git's plaintext views."

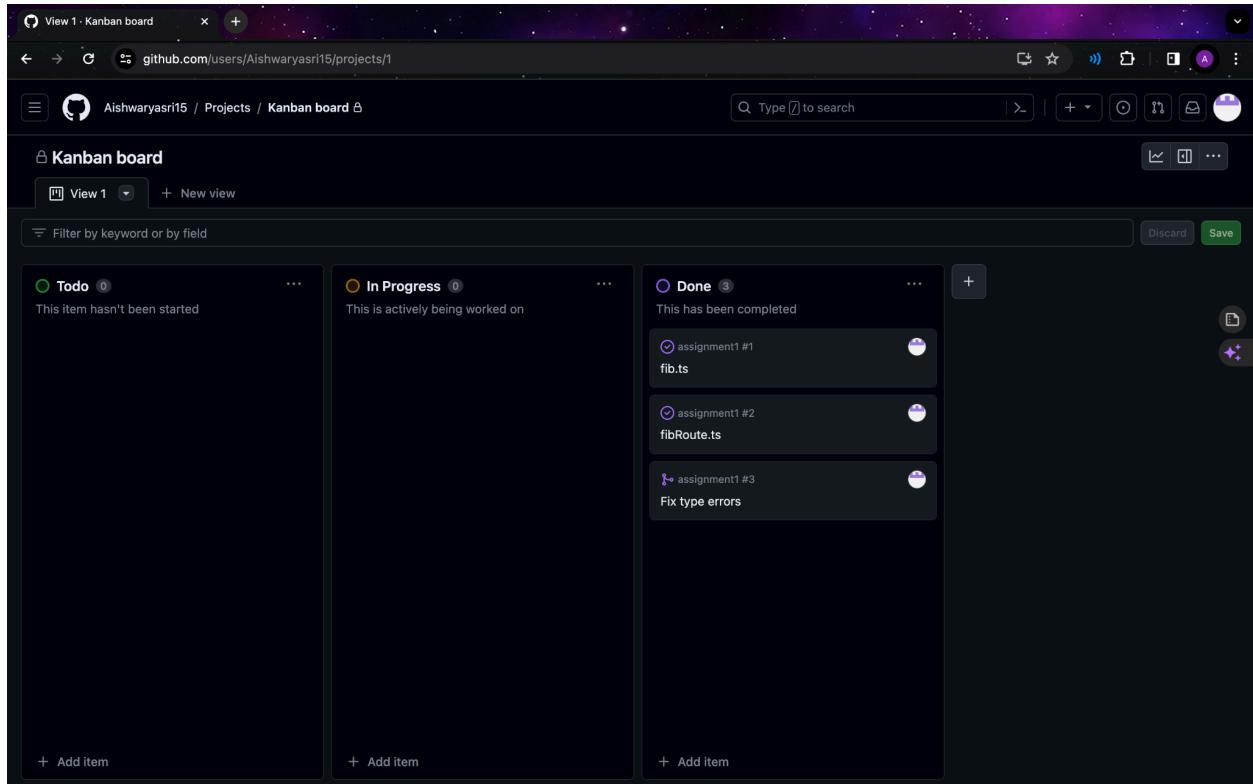
After merging when we go to the actions tab. We can see as shown in the below.

A screenshot of the GitHub Actions tab for the repository "Aishwaryasri15 / assignment1". The "Actions" tab is selected. On the left, there is a sidebar with sections for "All workflows", "Lint & Test", "Management", "Caches", and "Runners". The main area shows "All workflows" with a search bar and a filter for "Workflow runs". It lists four workflow runs:

Event	Status	Branch	Actor
now	Success	main	Aishwaryasri15
2 minutes ago	Success	fix-type-errors	Aishwaryasri15
3 hours ago	Failure	main	Aishwaryasri15
3 hours ago	Failure	main	Aishwaryasri15

Return to the Kanban board. If everything was set up correctly, the issue should automatically move into the Done column.

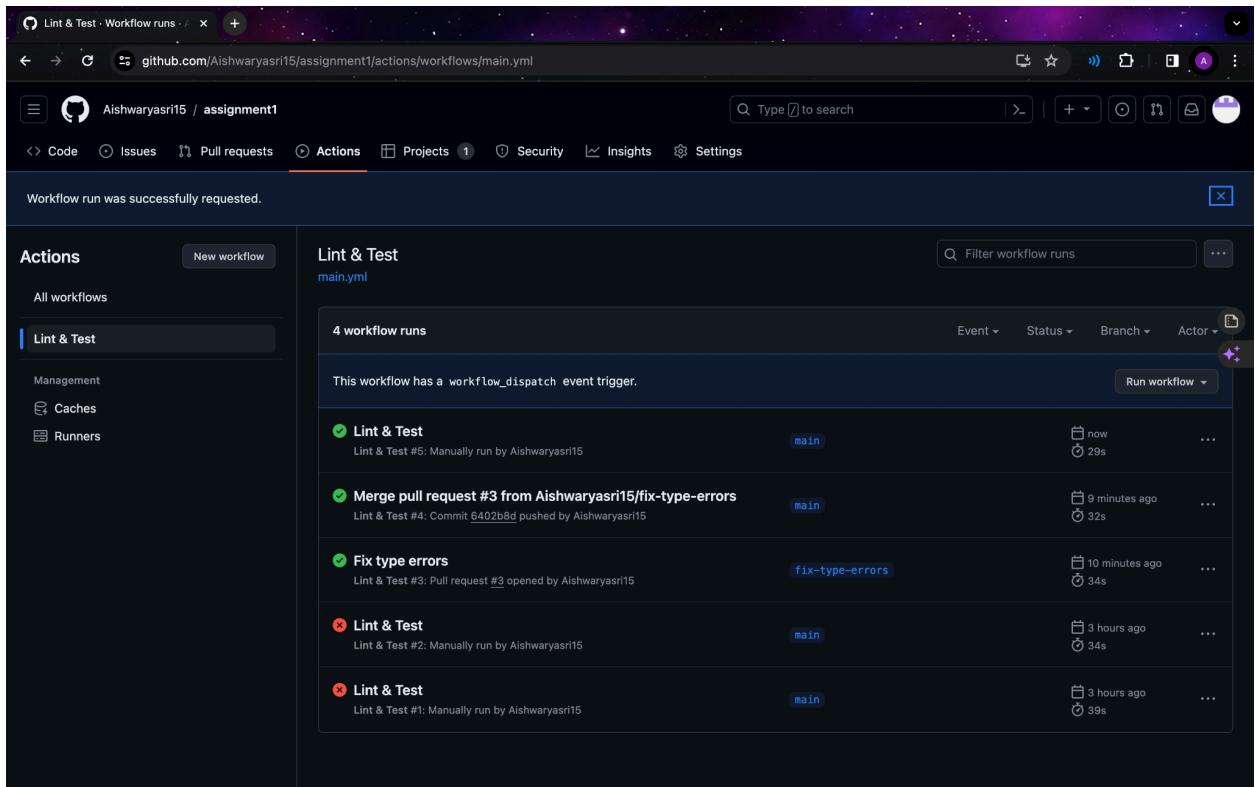
Issues were automatically moved to done section.



PART 5b: Check GitHub Actions

Click on the Actions tab. If you have resolved all the issues correctly, the tests and linter should now pass, and a green check should show

In the actions tab , when i started the workflow test and linter it showed green check as shown in the below.



The screenshot shows the GitHub Actions Lint & Test workflow runs page for the repository `Aishwaryasri15/assignment1`. The main heading is "Actions" and the specific section is "Lint & Test". There are four workflow runs listed:

- Now**: Lint & Test #5: Manually run by Aishwaryasri15 (Status: Success)
- 9 minutes ago**: Merge pull request #3 from Aishwaryasri15/fix-type-errors (Status: Success)
- 10 minutes ago**: Fix type errors (Status: Success)
- 3 hours ago**: Lint & Test #2: Manually run by Aishwaryasri15 (Status: Success)
- 3 hours ago**: Lint & Test #1: Manually run by Aishwaryasri15 (Status: Success)

Each run includes a link to its details and a three-dot menu icon.

My github link:

<https://github.com/Aishwaryasri15/assignment1/tree/main>