

GitHub Collaboration Workflow for EL_Dsa_Collab

Understanding Your Git Collaboration Workflow

For your scenario with "The_7_Problems.c" as the main branch and personal branches for each question, here's how to proceed:

1. Clone the Repository

First, you need to get a copy of the repository:

```
git clone https://github.com/VinayakGubber/EL_Dsa_Collab.git
cd EL_Dsa_Collab
```

2. Create Your Branch

For each problem you work on, create a branch with your name and the question number:

```
git checkout -b yourname/question1
```

This creates and switches to your new branch.

3. Make Your Changes

Edit "The_7_Problems.c" to implement your solution for the specific question, or create a new file if that's what's required.

4. Commit Your Changes

```
git add .
```

```
git commit -m "Implemented solution for Question 1"
```

5. Push Your Branch to GitHub

```
git push -u origin yourname/question1
```

6. Create a Pull Request

Go to GitHub and create a pull request from your branch to the main branch:

1. Navigate to the repository on GitHub (https://github.com/VinayakGubber/EL_Dsa_Collab)
2. Click "Pull requests" > "New pull request"
3. Select your branch as the source and the main branch as the destination
4. Add a description of your changes
5. Submit the pull request

7. Code Review Process

The owner and other collaborators will review your code. They may:

- Leave comments
- Request changes

- Approve the changes

8. Address Review Comments

If changes are requested:

1. Make the necessary changes locally
2. Commit and push to the same branch
3. The pull request will automatically update

9. Merge Your Changes

Once approved, the owner (or you, if you have permission) can merge your changes:

1. On the pull request page, click "Merge pull request"
2. Confirm the merge

10. Update Your Local Repository

After merging, switch back to the main branch and pull the latest changes:

```
git checkout main
```

```
git pull origin main
```

11. Repeat for Each Question

For each new problem, create a new branch following the naming convention:

```
git checkout main # Start from the updated main branch
```

```
git checkout -b yourname/question2
```

```
# ...repeat steps 3-10
```

Repository Link

The repository is available at: https://github.com/VinayakGubber/EL_Dsa_Collab.git