

# Practice Project: Part 1 - GitHub UI

Estimated Time: 30 minutes

## Overview

In this lab you will start your journey with the GitHub implementation for your organisation by creating a repository in your GitHub account and then initialising the repository with a README.md file and a License. Following this, you'll update the README file to include a Code of Conduct and Contribution Guidelines markdown files. After making these changes, you'll commit the files to your repository. Next, you'll create a new branch and add code for Shipping logistics calculation. To wrap up, you'll merge this branch into the main branch using a Pull Request.

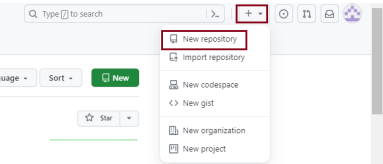
## Objectives

After completing this lab, you will have demonstrated that you can:

- 1. Create a repository with a README.md file and a license.
- 2. Update the existing files.
- 3. Commit the files to your repository.
- 4. Create a new branch and add files to it.
- 5. Merge this branch to the main branch using a Pull Request.

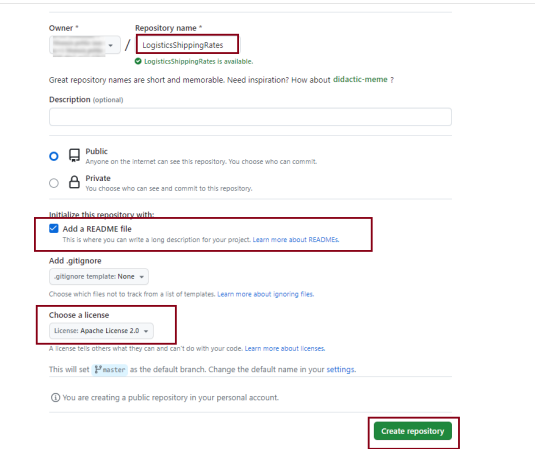
## Task 1: Create a repository with a README file and a license.

1. At the top right of the GitHub home page, click on the + icon and select **New repository**.

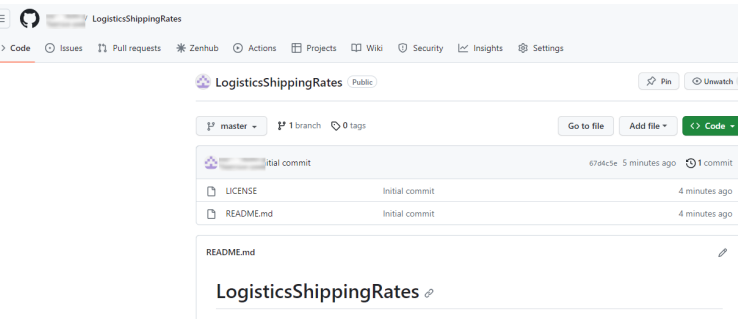


2. Create a new GitHub repository called **logisticsShippingRates** and make sure that it is **Public**.

3. Select the **Add a README file** field. Click on the **Choose a license** field and select **Apache License 2.0** from the drop down. Finally, click on **Create repository**.



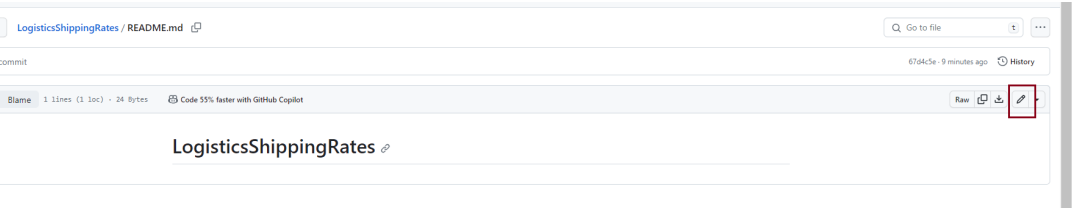
4. After successfully creating a new repo, you will see the following screenshot.



Your repository is created and includes the README and LICENSE files. Now, you are ready to update your repository files to include useful information for your community.

Task 2: Update the README file.

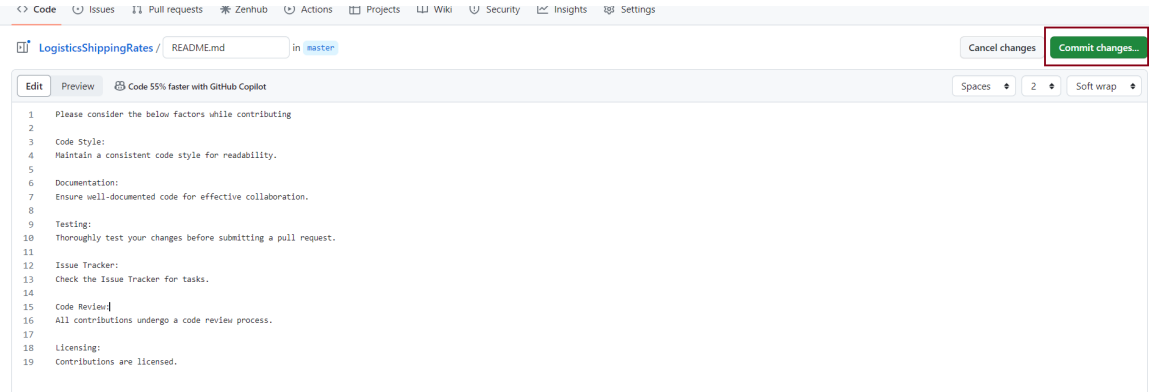
1. Click on README.md file to open it and click the pencil icon to edit it.



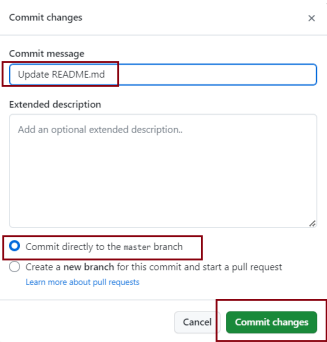
2. Add the following information to the file:

```
Please consider the below factors while contributing
Code Style:
Maintain a consistent code style for readability.
Documentation:
Ensure well-documented code for effective collaboration.
Testing:
Thoroughly test your changes before submitting a pull request.
Issue Tracker:
Check the Issue Tracker for tasks.
Code Review:
All contributions undergo a code review process.
Licensing:
Contributions are licensed.
```

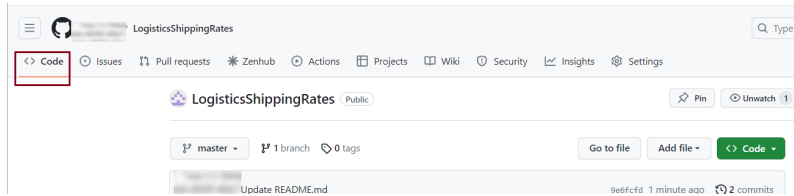
3. Now click on Commit changes



4. Ensure that the radio button to commit directly to the main/master branch is selected. Add a commit message and click on Commit Changes



**NOTE:** After completing the steps in each of the tasks, if you are unable to see the options depicted in the provided screenshots, click on the Code option as highlighted in below screenshot:

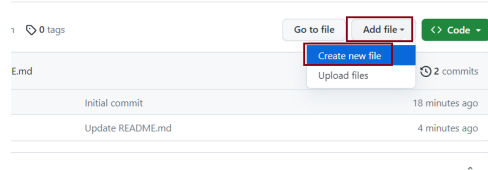


### Task 3: Add a code of conduct.

A code of conduct helps set ground rules for the behavior of your project's participants. It defines standards for how to engage in a community.

GitHub provides templates for common codes of conduct to help you quickly add one to your project.

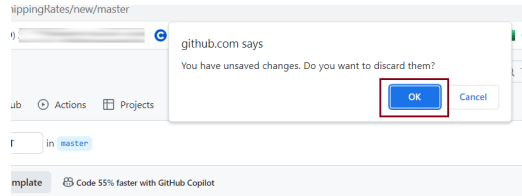
1. To create a new file click on **Add file** and then Create New File.



2. Add a new file named `CODE_OF_CONDUCT.md` to the root folder of the repository. The **Choose a code of conduct template** button is displayed.



3. Click the **Choose a code of conduct template** button. You will see a popup mentioning you may lose unsaved changes. Click on **OK**.



4. Click on Contributor Covenant to load this template. Then click Review and submit to add the file to your project.

Add a code of conduct to your project

Contributor Covenant  
Recommended for projects of all sizes

Citizen Code Of Conduct  
Suitable for large communities and events

## Contributor Covenant Code of Conduct

### Our Pledge

We as members, contributors, and leaders pledge to make participation in our community a harassment-free experience for everyone, regardless of age, body size, visible or invisible disability, ethnicity, sex characteristics, gender identity and expression, level of experience, education, socio-economic status, nationality, personal appearance, race, religion, or sexual identity and orientation.

We pledge to act and interact in ways that contribute to an open, welcoming, diverse, inclusive, and healthy community.

### Our Standards

Examples of behavior that contributes to a positive environment for our community include:

- Demonstrating empathy and kindness toward other people
- Being respectful of differing opinions, viewpoints, and experiences
- Giving and gracefully accepting constructive feedback

To adopt Contributor Covenant, enter your details. You'll have a chance to review before committing a CODE\_OF\_CONDUCT.md file to a new branch or the root of your project.

Contact method

Review and submit

5. Scroll down the page to read the content. Click on **Commit changes**.

Your code of conduct template is ready. Please review it below and either commit it to the master branch or to a new branch.

LogisticsShippingRates / CODE\_OF\_CONDUCT.md in master

Cancel changes Commit changes...

Edit Preview Choose a code of conduct template Code 55% faster with GitHub Copilot

Spaces 2 No wrap

1 # Contributor Covenant Code of Conduct

2

3 ## Our Pledge

4

5 We as members, contributors, and leaders pledge to make participation in our

6 community a harassment-free experience for everyone, regardless of age, body

7 size, visible or invisible disability, ethnicity, sex characteristics, gender

8 identity and expression, level of experience, education, socio-economic status,

9 nationality, personal appearance, race, religion, or sexual identity

10 and orientation.

11

12 We pledge to act and interact in ways that contribute to an open, welcoming,

13 diverse, inclusive, and healthy community.

14

15 ## Our Standards

16

6. Ensure that the radio button to **Commit directly to the main/master branch** is selected and click **Commit changes**.

**NOTE:** In the past the default branch in your GitHub repo used the name *master*. Effective Oct 1, 2020, all new GitHub repositories use the more inclusive term *main* as the name of the default branch instead of *master*.

to the master branch or to a new branch.

Commit changes

Commit message

Create CODE\_OF\_CONDUCT.md

Extended description

Add an optional extended description..

☒ Commit directly to the master branch

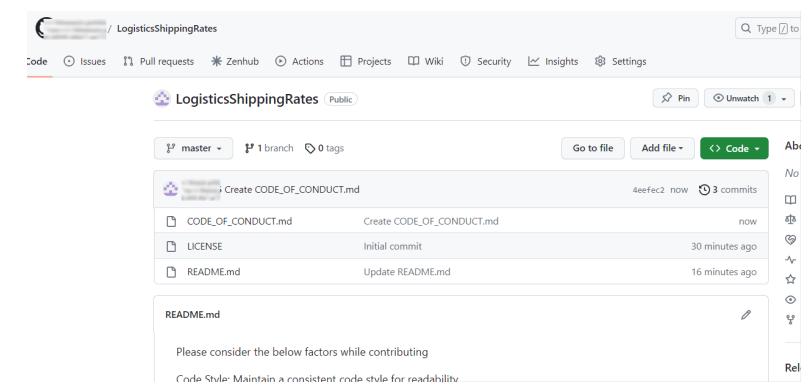
☐ Create a new branch for this commit and start a pull request

[Learn more about pull requests](#)

Cancel Commit changes

If the page is zoomed in, you may see only the **Commit changes** button and not the radio button. Zoom out or scroll down to see the radio button.

7. Your project now contains a code of conduct.



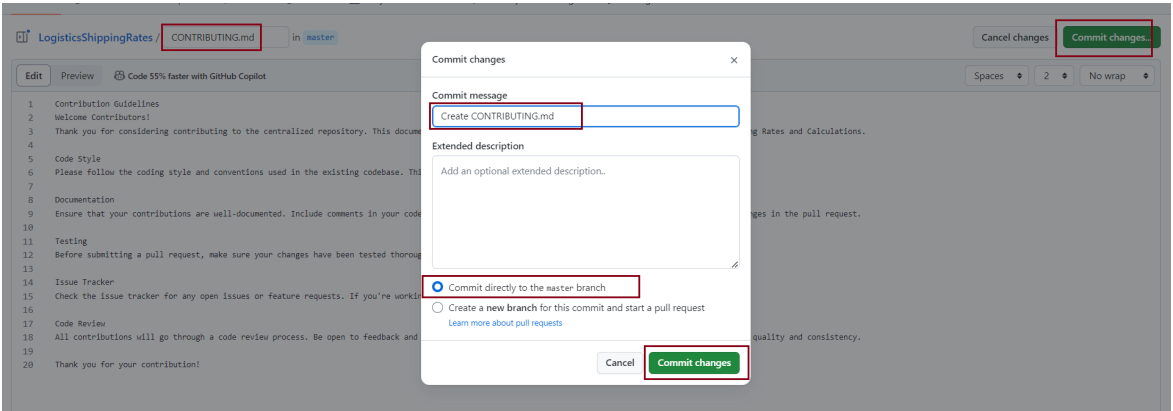
#### Task 4: Establish contribution guidelines.

Contribution guidelines provide clear instructions for individuals looking to contribute to the project. To implement these guidelines, please follow these steps:

1. Create a new file in the repository's root directory and name it CONTRIBUTING.md.
2. Inside the file, include the following information:

```
Contribution guidelines
Welcome Contributors!
Thank you for considering contributing to the centralized repository. This document outlines the guidelines for contributing to the development of Shipping Rates and Calculations.
Code style
Please follow the coding style and conventions used in the existing codebase. This helps maintain consistency across the project.
Documentation
Ensure that your contributions are well-documented. Include comments in your code where necessary and provide a clear and concise description of your changes in the pull request.
Testing
Before submitting a pull request, make sure your changes have been tested thoroughly. Include relevant test cases and ensure that existing tests pass.
Issue tracker
Check the issue tracker for any open issues or feature requests. If you're working on something, please comment on the issue to let others know.
Code review
All contributions will go through a code review process. Be open to feedback and be willing to make changes if necessary. Code reviews help maintain code quality and consistency.
Thank you for your contribution!
```

3. Commit this file to your repository.



4. Click on Code to go to the repository home page.

<> **Code**

Issues

Pull requests

Actions

Projects

Wiki

Security

# LogisticsShippingRates

Public

main ▾

1 branch

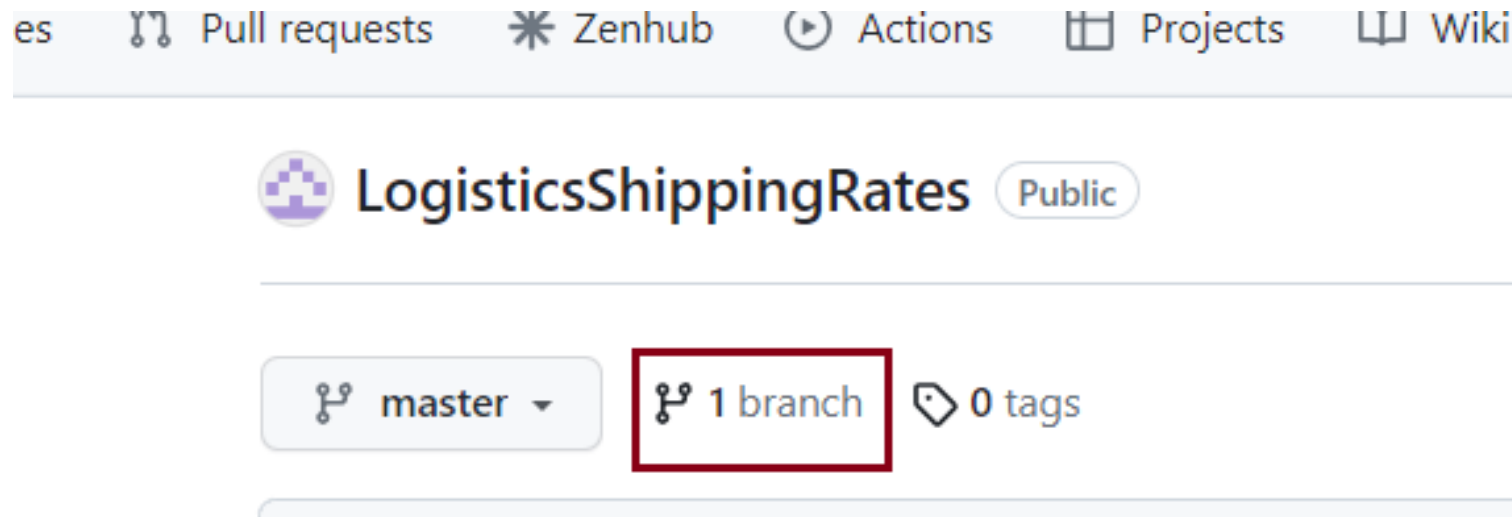
0 tags

Create CONTRIBUTING.md		
CODE_OF_CONDUCT.md		Create CODE_OF_CONDUCT.md
CONTRIBUTING.md		Create CONTRIBUTING.md
LICENSE		Initial commit
README.md		Update README.md

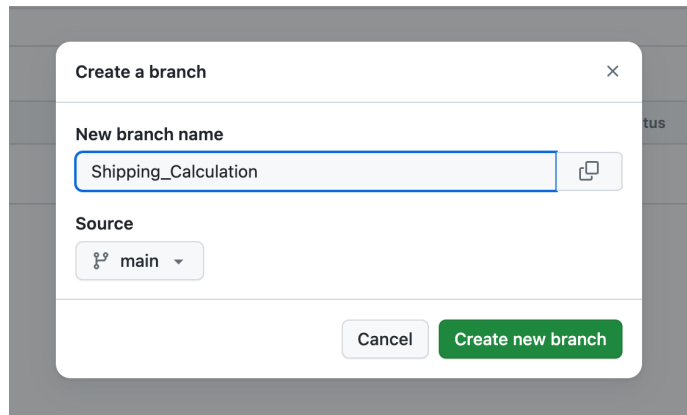
Your project now contains Contribution Guidelines as well.

## Task 5: Create a new branch.

1. Click on branch in your repository.



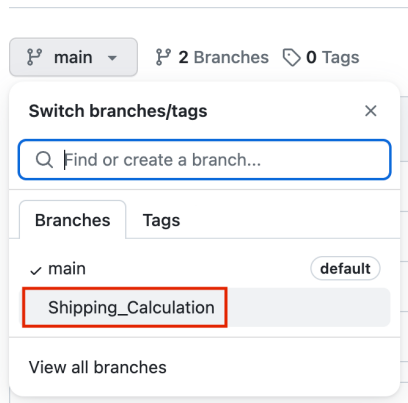
2. Now, click on New Branch and enter the branch name as Shipping\_Calculation, then click Create New Branch



This will be used for adding your Shipping Calculation code.

#### Task 6: Add the Shipping Calculation code in this branch.

1. Change to the Shipping\_Calculation branch by selecting it from the dropdown.

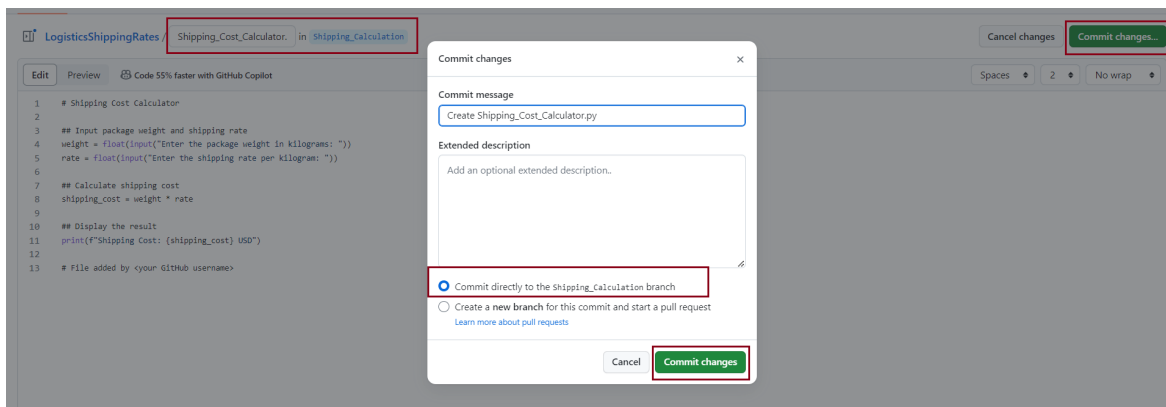


2. Create a new file named `Shipping_Cost_Calculator.py`.

3. Add the following code in the new file:

```
# Shipping Cost Calculator
## Input package weight and shipping rate
weight = float(input("Enter the package weight in kilograms: "))
rate = float(input("Enter the shipping rate per kilogram: "))
## Calculate shipping cost
shipping_cost = weight * rate
## Display the result
print(f"Shipping Cost: (shipping_cost) USD")
```

4. Ensure that the radio button to **Commit directly to the Shipping\_Calculation branch** is selected and click **Commit changes**.



The `Shipping_Calculation` branch now contains the `Shipping_Cost_Calculator.py` file.

### Task 7: Create a pull request to the main branch.

1. Go to the Pull request tab and click on Compare & pull request.



<> Code

Issues

**Pull requests**

Actions

Projects

Wiki

Security

Insights

...

Label issues and pull requests for new contributors

Dismiss

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with good first issue

Shipping\_Calculation had recent pushes 1 minute ago

Compare & pull request

2. Add an appropriate commit message and click on Create pull request.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).

base: main

compare: Shipping\_Calculation

✓ Able to merge. These branches can be automatically merged.

Add a title

Merge Shipping\_Cost\_Calculator.py to the main branch

Add a description

WritePreview

H B I

Add your description here...

Markdown is supported

Paste, drop, or click to add files

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

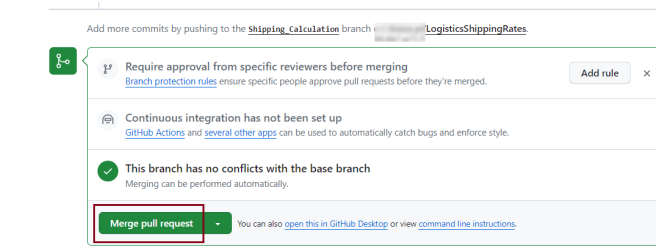
Use [Closing keywords](#) in the description to automatically close issues

Helpful resources

Create pull request

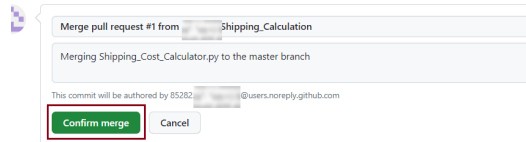
Task 8: Merge the branch to the main branch.

1. Click on Merge pull request.



2. Click on **Confirm merge**.

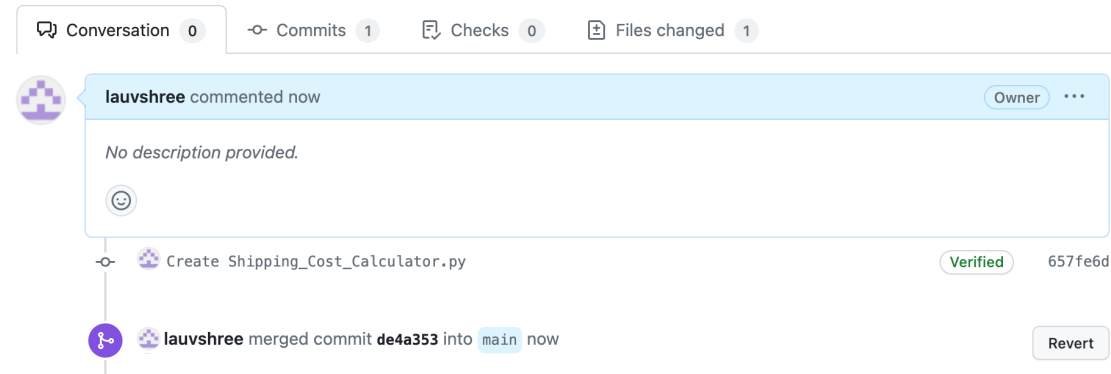
3. The successfully merged changes will be shown in the Github UI as below:



4. You will see the below message once the branch is merged.

## Merge Shipping\_Cost\_Calculator.py to the main branch #1

**Merged** lauvshree merged 1 commit into **main** from **Shipping\_Calculation** now



5. Check to see that your project now contains the `Shipping_Cost_Calculator.py` file as well.

main

2 Branches

0 Tags

Go to file

Add file

<> Code

lauvshree

Merge pull request #1 from lauvshree/Shipping\_Calculation

de4a353 · 3 minutes ago

6 Commits

CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md	4 months ago
CONTRIBUTING.md	Create CONTRIBUTING.md	4 months ago
LICENSE	Initial commit	4 months ago
README.md	Update README.md	4 months ago
Shipping_Cost_Calculator.py	Create Shipping_Cost_Calculator.py	12 minutes ago

**Congratulations**

In this lab you have created a repository in your GitHub account with a README.md file and a License. You have then edited the README file and added Code of Conduct, and Contribution Guidelines. Further, you have committed these files to your repository. Finally, you have added the Shipping logistics calculator file to a new branch, and merged it to the main branch using a Pull Request.

**Author(s)**

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