

How to Create an Assignment or Lab Using GitHub

For Creating Assignment you have two steps:

- Create a template repository on <https://github.com>
- Create an assignment on <https://classroom.github.com/>

*****CREATING A TEMPLATE REPOSITORY*****

*****STEP 1 STARTED*****

1. Sign up at <https://github.com> if you don't have one, then sign in with your GitHub account.



Sign in to GitHub

Username or email address

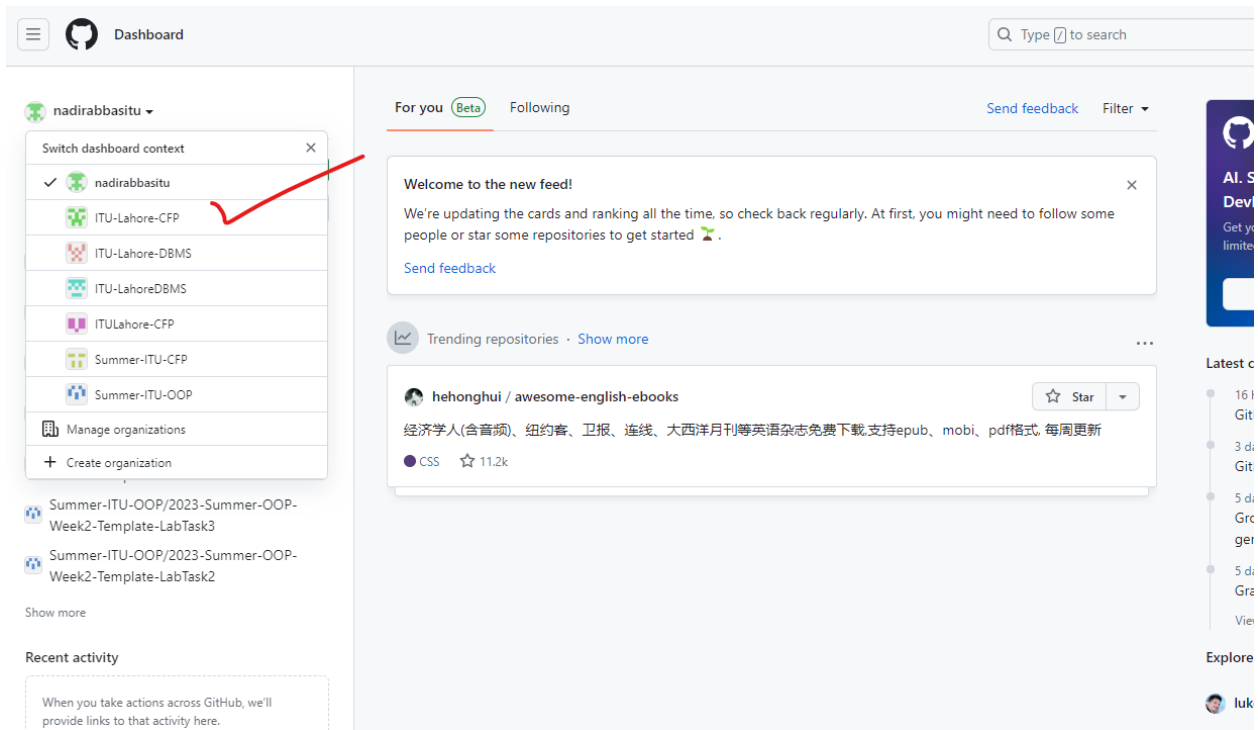
Password

[Forgot password?](#)

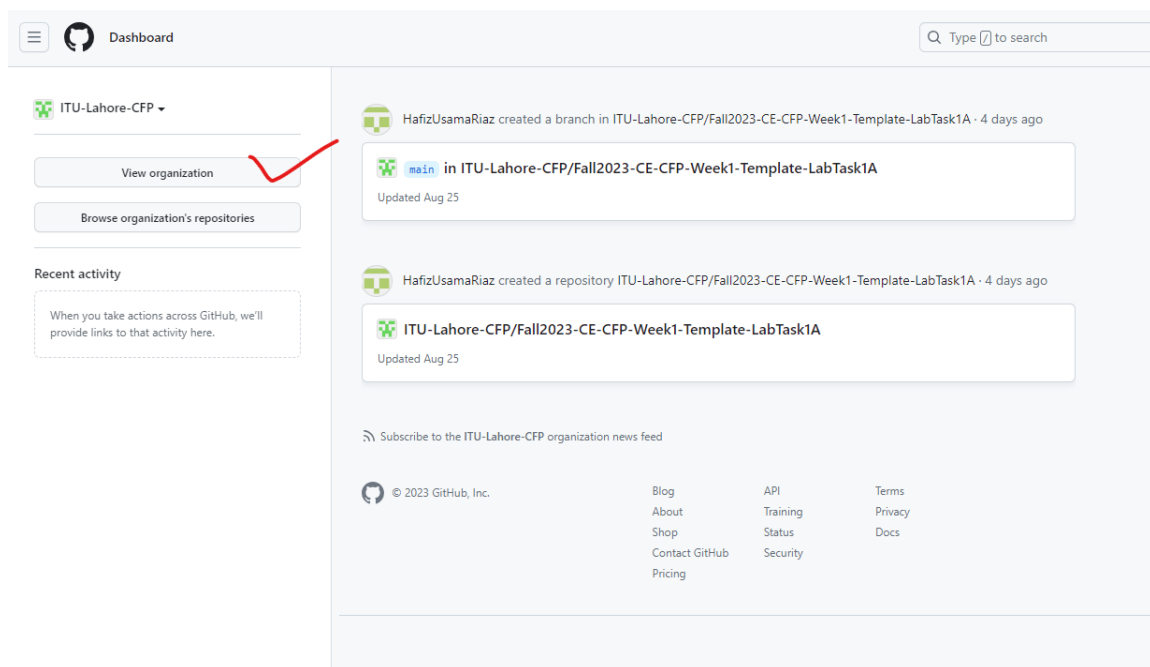
Sign in

New to GitHub? [Create an account.](#)

2. Select the **organization** (e.g **ITU-Lahore-CFP**) from the dropdown menu at top left corner of the page



3. Click on **View organization**



4. Click on **Repositories**

ITU-Lahore-CFP

Overview Repositories 1 Projects Packages Teams People 2 Settings

We think you're gonna like it here.

We've suggested some tasks here in your organization's overview to help you get started.

Invite your people

Invite your first member
Find people by their GitHub username or email address.

Customize members' permissions
Set everyone's base permissions for your code.

Collaborative coding

Create a pull request

Create a branch protection rule

See more about collaborative coding →

View as: Public ▾

You are viewing the README and pinned repositories as a public user.

You can [create a README file](#) visible to anyone.

You can [hide the tasks we've suggested](#) on this page and bring them back later.

Discussions

Set up discussions to engage with your community!

[Turn on discussions](#)

Repositories

Fall2023-CE-CFP-Week1-Template-LabTask1A
(Private)

Updated 4 days ago

5. Click on **New repository**

ITU-Lahore-CFP

Overview Repositories Projects Packages Teams People Settings

Find a repository... Type Language Sort

New repository

Fall2023-CE-CFP-Week1-Template-LabTask1A (Private template)

C++ 0 0 0 Updated 4 days ago

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3:46 PM

6. Create a **new repository** (should be *template repository*) give repository name in the formate e.g **Fall2023-EE-CFP-Week1-Template-LabTask1A** Then Click on **Create repository**

Owner * ITU-Lahore-CFP / Repository name * Fall2023-EE-CFP-Week1-T ✓

✓ Fall2023-EE-CFP-Week1-Template-LabTask1A is available.

Great repository names are short and memorable. Need inspiration? How about redesigned-chainsaw ?

Description (optional)

☐ Public Anyone on the internet can see this repository. You choose who can commit.

☒ Private You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

You are creating a private repository in the ITU-Lahore-CFP organization.

Create repository

7. Click on the Code tab, then click on uploading an existing file

ITU-Lahore-CFP / Fall2023-EE-CFP-Week1-Template-LabTask1A

<> Code Issues Pull requests Actions Projects Security Insights Settings

Fall2023-EE-CFP-Week1-Template-LabTask1A Private Edit Pins Watch 0 Fork 0 Star 0

Set up GitHub Copilot Use GitHub's AI pair programmer to autocomplete suggestions as you code. [Get started with GitHub Copilot](#)

Give access to the people you work with Ensure the right people and teams have access to this repository. [Manage access](#)

Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH <https://github.com/ITU-Lahore-CFP/Fall2023-EE-CFP-Week1-Template-LabTask1A.git>


Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

...or create a new repository on the command line


```
echo "# Fall2023-EE-CFP-Week1-Template-LabTask1A" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ITU-Lahore-CFP/Fall2023-EE-CFP-Week1-Template-LabTask1A.git
git push -u origin main
```

8. Drag files to add them to your repository

Fall2023-EE-CFP-Week1-Template-LabTask1A /



Drag files here to add them to your repository
Or [choose your files](#)



Commit changes

Add files via upload

Add an optional extended description...

[Commit changes](#) [Cancel](#)

9. After adding files the repository then click on **Settings**

ITU-Lahore-CFP / Fall2023-EE-CFP-Week1-Template-LabTask1A











<> Code Issues Pull requests Actions Projects Security Insights **Settings**

Fall2023-EE-CFP-Week1-Template-LabTask1A Private

Edit Pins Watch 0 Fork 0 Star 0

main 1 branch 0 tags

Go to file Add file Code

Avatar	Commit Message	Commit Hash	Time Ago	Commits
	Add files via upload	a2fc301	1 minute ago	1 commit
	Add files via upload		1 minute ago	
	Makefile		1 minute ago	
	README.md		1 minute ago	
	lab1.docx		1 minute ago	
	lab1.pdf		1 minute ago	
	main.cpp		1 minute ago	
	questions.json		1 minute ago	
	r.out		1 minute ago	
	~\$lab1.docx		1 minute ago	

README.md

2023 Fall EE101B Lab1 Template

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

[Create a new release](#)

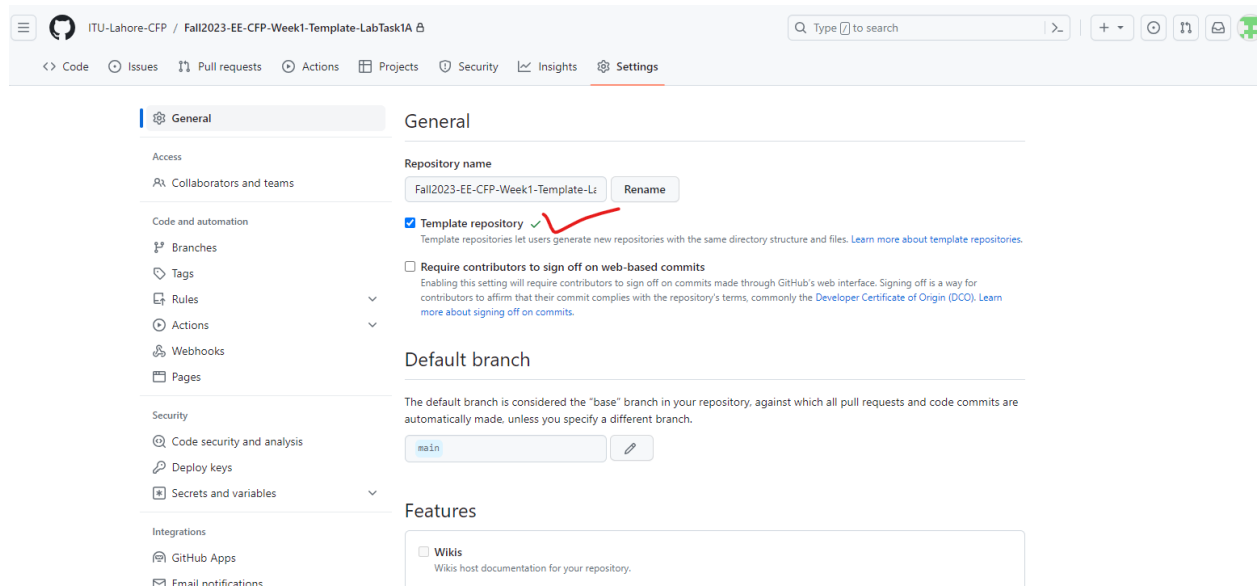
Packages

No packages published

[Publish your first package](#)

Languages

10. Check the ☒ Template repository



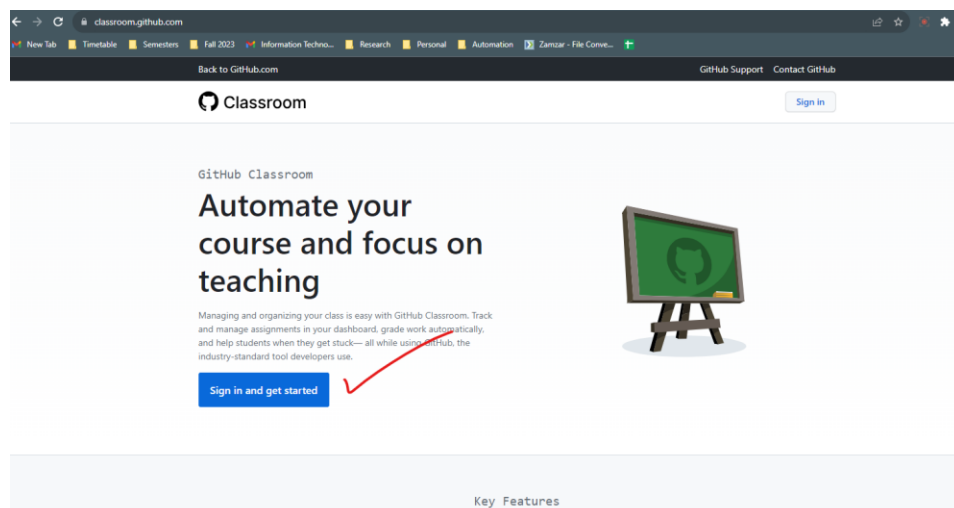
*****CREATING A TEMPLATE REPOSITORY*****

*****STEP 1 DONE*****

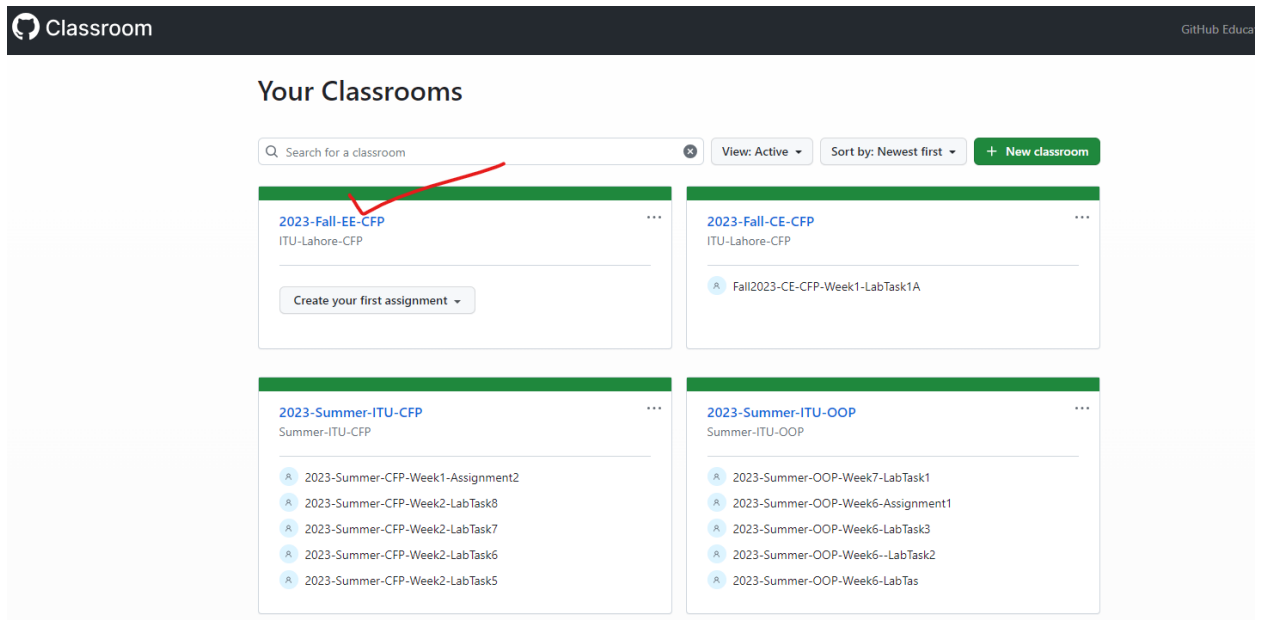
*****CREATING ASSIGNMENT ON GITHUB CLASSROOM*****

*****STEP 2 STARTED*****

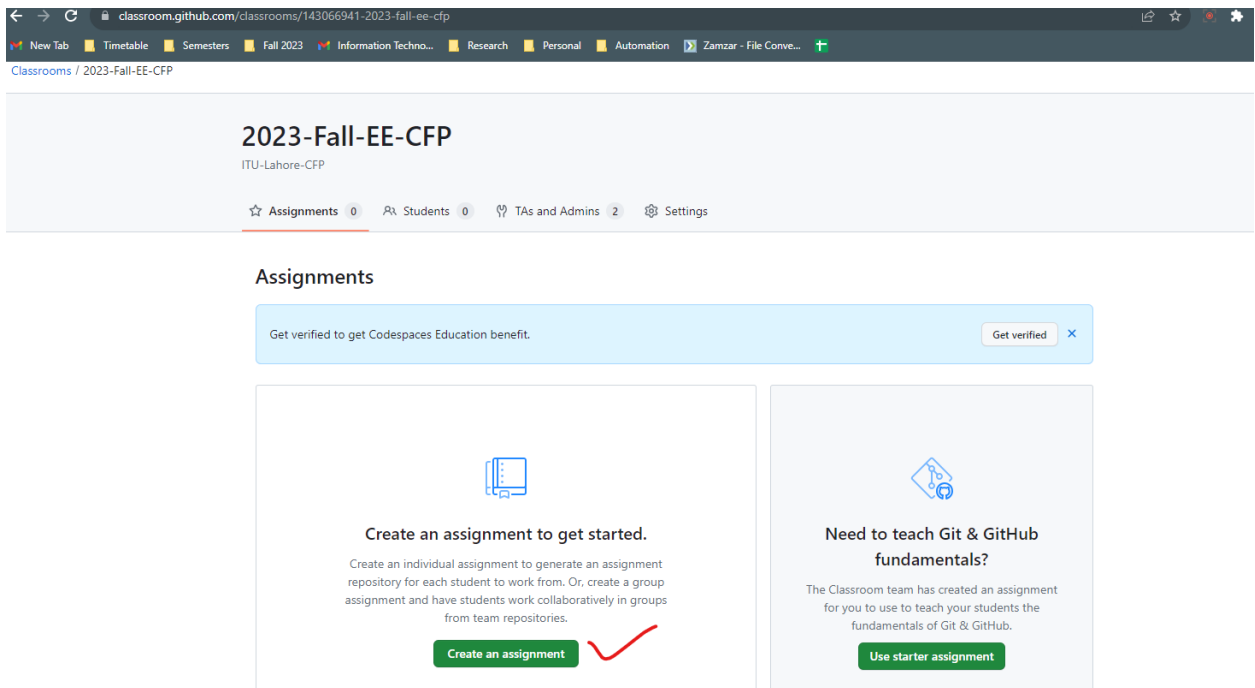
1. Sign in to <https://classroom.github.com/>



2. Click on your respective classroom



3. Click on Create an assignment



4. Give **Assignment title** e.g **Fall2023-EE-CFP-Week1-LabTask1A**, set the **Deadline**, and check the **cutoff date**, then click **Continue**

Assignment creation steps

Assignment basics

Starter code and environment

Grading and feedback

Assignment title *

Fall2023-EE-CFP-Week1-LabTask1

Student assignment repositories will have the prefix: fall2023-ee-cfp-week1-labtask1

Deadline

08/29/2023 05:00 PM

(Optional) If left blank, there will be no deadline. Date format: YYYY-MM-DD HH:MM a

☒ This is a cutoff date

If selected, the student will lose write access to their repository after the date is reached.

Individual or group assignment

Individual assignment

Repository visibility

☒ Private

Private repositories will only be visible to the student and the classroom owners.

☐ Public

Public repositories will be visible to everyone, including other students.

☐ Grant students admin access to their repository

Editing this after assignments are created will not retroactively change permissions.

Cancel Continue

5. Add a **template repository** (which you have created in STEP 1 and added files), in this case it was **Fall2023-EE-CFP-Week1-Template-LabTask1A**, Click **Continue**

Classroom

lassrooms / 2023-Fall-EE-CFP / New assignment

Add your starter code and choose an optional online IDE.

Assignment creation steps

Assignment basics

Starter code and environment

Grading and feedback

Add a template repository to give students starter code

Your assignment will be created with empty student repositories if you don't add starter code. Changes to starter code after students have accepted the assignment will not retroactively change existing student repositories.

Note: All starter code must use a template repository. Your starter code repository must be either in the same organization as this classroom or a public repository if elsewhere. Learn about transferring your repositories.

Find a GitHub repository

ITU-Lahore-CFP/Fall2023-EE-CFP-Week1-Temp1

Add a supported editor

Automatically include a link to an editor in students' repositories to give them a one-click experience for getting started coding, running, and collaborating on their code.

Select an editor

Back Cancel Continue

6. Click Create assignment

Classroom

Classrooms / 2023-Fall-EE-CFP / New assignment

Set up autograding and feedback.

Assignment creation steps

- ✓ Assignment basics
- ✓ Starter code and environment
- Grading and feedback**

Add autograding tests

Autograding tests help provide feedback for students immediately upon submission using [GitHub Actions](#). Add a test to enable autograding.

No tests added yet

Add a test to enable autograding

+ Add test

☐ **Enable feedback pull requests**

A pull request will automatically be created on all student repository submissions. Pull requests allow you to answer questions and provide feedback.

[← Back](#) [Cancel](#) [Create assignment](#)

7. Copy the **assignment URL** (Your assignment is now prepared) and distribute the invitation link to students using Google Classroom.

Classroom

Classrooms / 2023-Fall-EE-CFP / Fall2023-EE-CFP-Week1-LabTask1

"Fall2023-EE-CFP-Week1-LabTask1" has been created!

Fall2023-EE-CFP-Week1-LabTask1

Individual assignment Due Aug 29, 2023, 17:00 PST Active

<https://classroom.github.com/a/3W6RWVhIX> Edit Download

Assignment is ready

Share the invitation URL with students and visit it to view how students accept an assignment.

Got it!

Assignment Details

Accepted assignments 0

0 Students

Assignment submitted 0 Submitted

Filters Search for an assignment

Filter by passing Sort

Total students

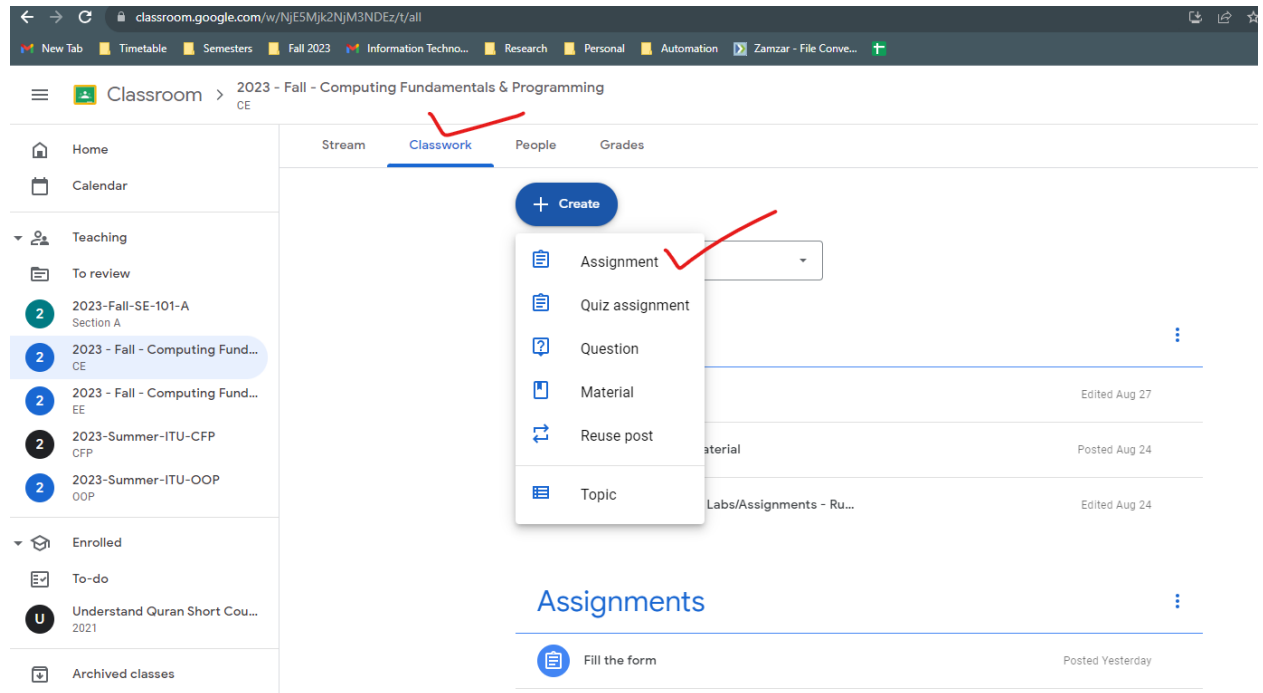
*****CREATING ASSIGNMENT ON GITHUB CLASSROOM*****

*****STEP 2 DONE*****

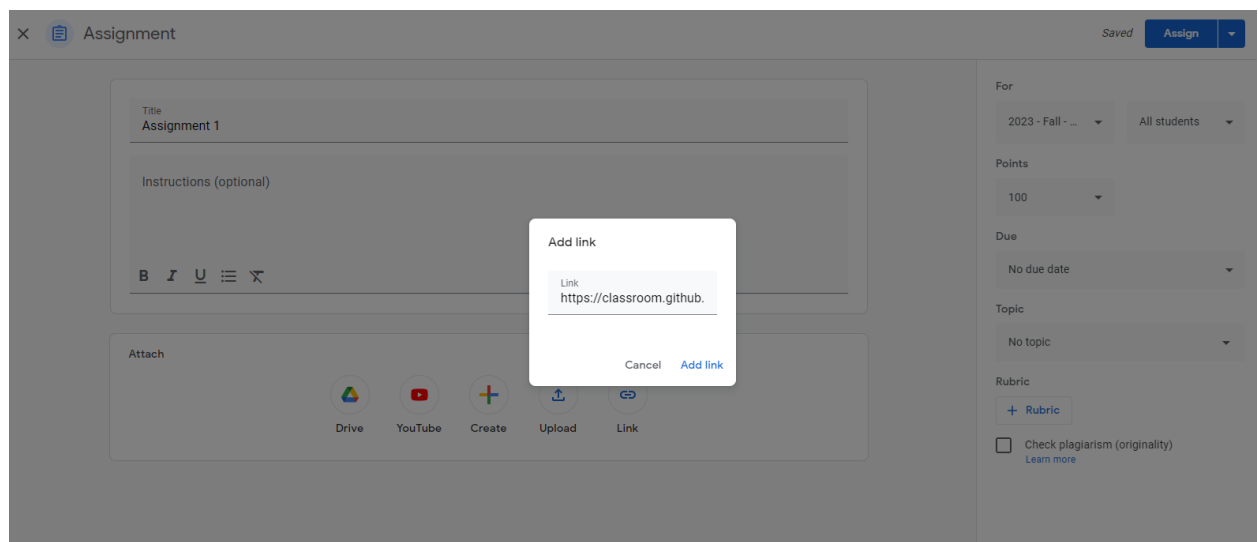
*****CREATING ASSIGNMENT ON GOOGLE CLASSROOM*****

*****STEP 3 STARTED*****

1. Sign in to <https://classroom.google.com/>
2. Go to **Classwork** and create an **assignment**



3. Provide the **assignment title** and include the **link** to the GitHub Classroom URL acquired in **STEP 2**.



4. After configuring the **due date** and other necessary **settings**, your assignment is ready to be **shared** and **published**. Additionally, you have the option to **save it as a draft** if needed

The screenshot shows the Google Classroom assignment creation interface. The main form on the left has a title field with 'Assignment 1' and a red checkmark. Below it is an 'Instructions (optional)' text area with a rich text editor toolbar. At the bottom of the main form is an 'Attach' section with icons for Drive, YouTube, Create, Upload, and Link. A GitHub sign-in prompt is visible in the middle of the form. On the right side, there is a settings panel with a 'Saved' button and a dropdown menu with options: 'Assign', 'Schedule', 'Save draft', and 'Discard draft'. The settings panel includes several dropdown menus: 'For' (set to '2023 - Fall - ...'), 'Points' (set to '100'), 'Due' (set to 'No due date'), and 'Topic' (set to 'No topic'). There is also a 'Rubric' section with a '+ Rubric' button and a checkbox for 'Check plagiarism (originality)' with a 'Learn more' link. Red checkmarks are placed next to the 'Assign', 'Schedule', 'Save draft', and 'Discard draft' options in the dropdown menu, and next to the 'For', 'Points', 'Due', and 'Topic' dropdown menus.

*****CREATING ASSIGNMENT ON GOOGLE CLASSROOM*****

*****STEP 3 DONE*****