GitHub Classroom For Student

BY: Haryanto

OUTLINE

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- Join to classroom
- Accept assignment
- Install Git
- Submit assignment using Git
- Reference

INTRODUCTION

- **Using GitHub Classroom**

You will be using the git tool and GitHub Classroom to manage version control for your assignments, and to submit those assignments to the course staff.

- **What is Git?**

Git is a distributed version control system. A version control system (or source code management system) is a tool for storing the source files of a project, distributing them to developers working on the project, and coordinating changes made during development. A version control system stores not just the current state of the project, but all past states as well. This makes it an important tool both for collaboration and for historical investigation.

- **What is GitHub Classroom?**

GitHub Classroom is an online git repository for use by educational institutions.

WHY EDUCATORS USE GITHUB

- **Reuse and Sharing of Knowledge**

By using GitHub, educators can share and collaborate on course material. When a fellow educator wants to teach a similar course, all that she needs to do is fork the original course on GitHub. And if she improves it, other educators are aware of the changes and can integrate them back to their courses as well.

- **GitHub as collaborative Platform**

GitHub brings together teams onto one collaborative platform where they can share ideas and methods and make awesome software together to finish their team assignment.

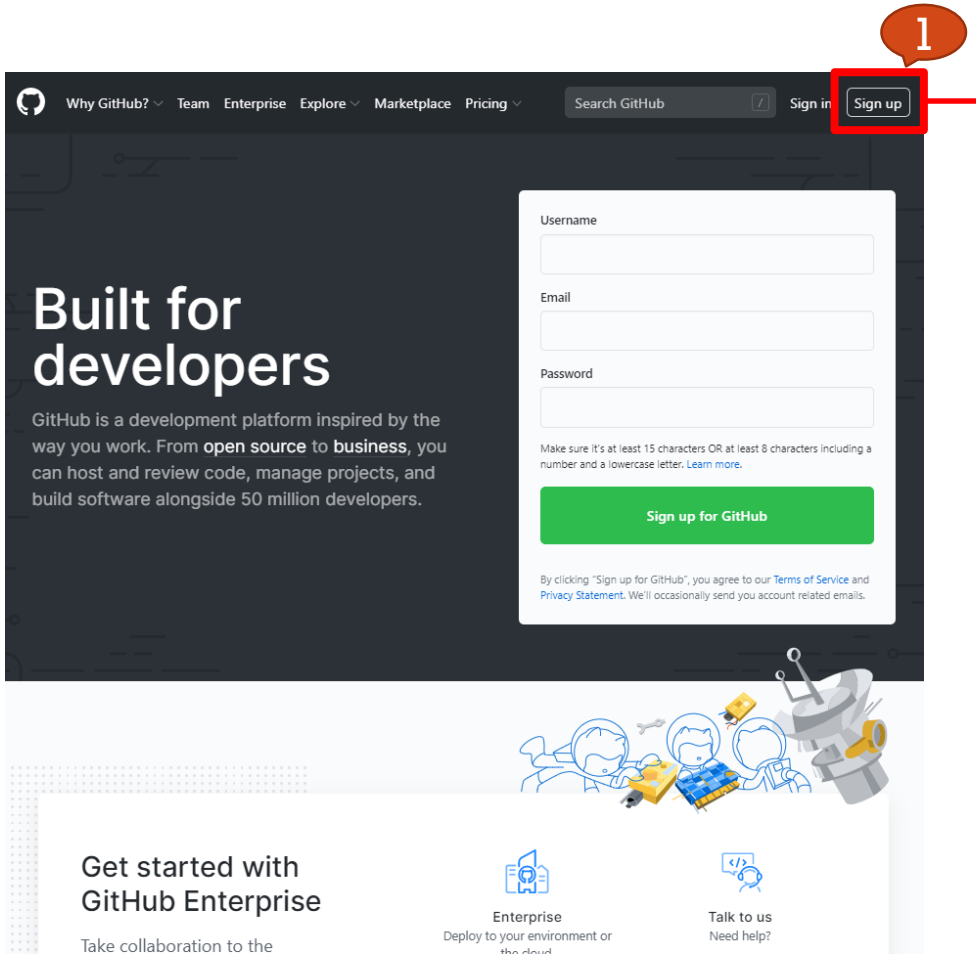
- **Industry Relevance**

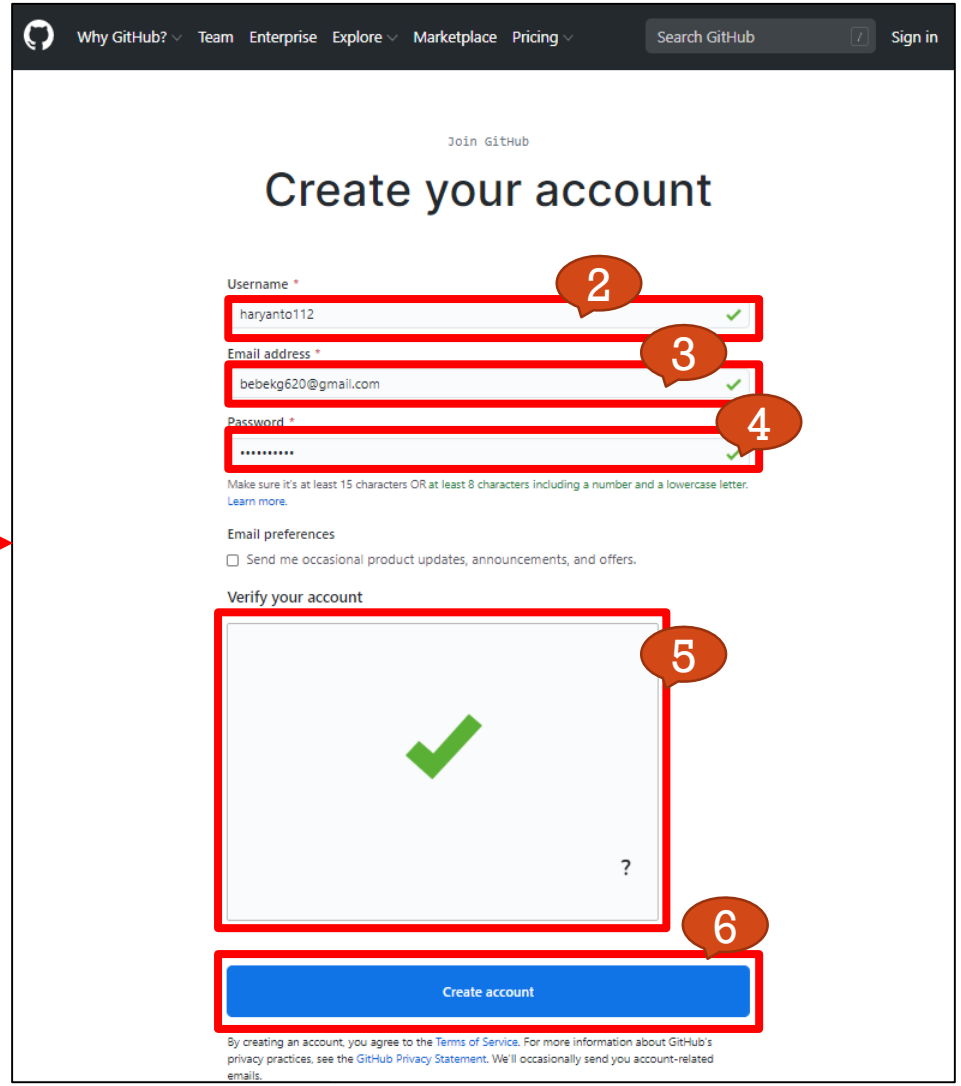
Educators also use GitHub to provide their students with industry-relevant skills and tools

https://www.storybench.org/use-github-lessons-classroom-newsroom/ October 9, 2020

CREATE NEW ACCOUNT

- *If you don't have GitHub account*





Explanation:

1 : Click Sign Up

2 : Write your username

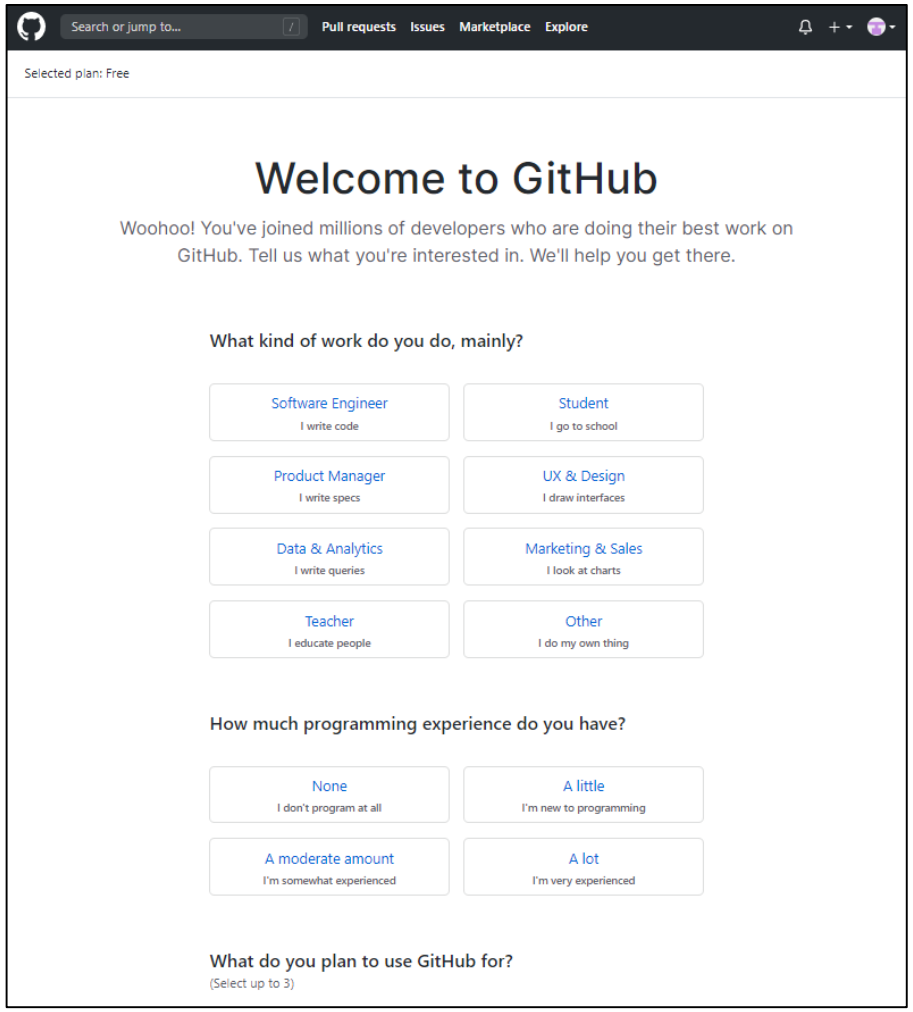
3 : Write your Email

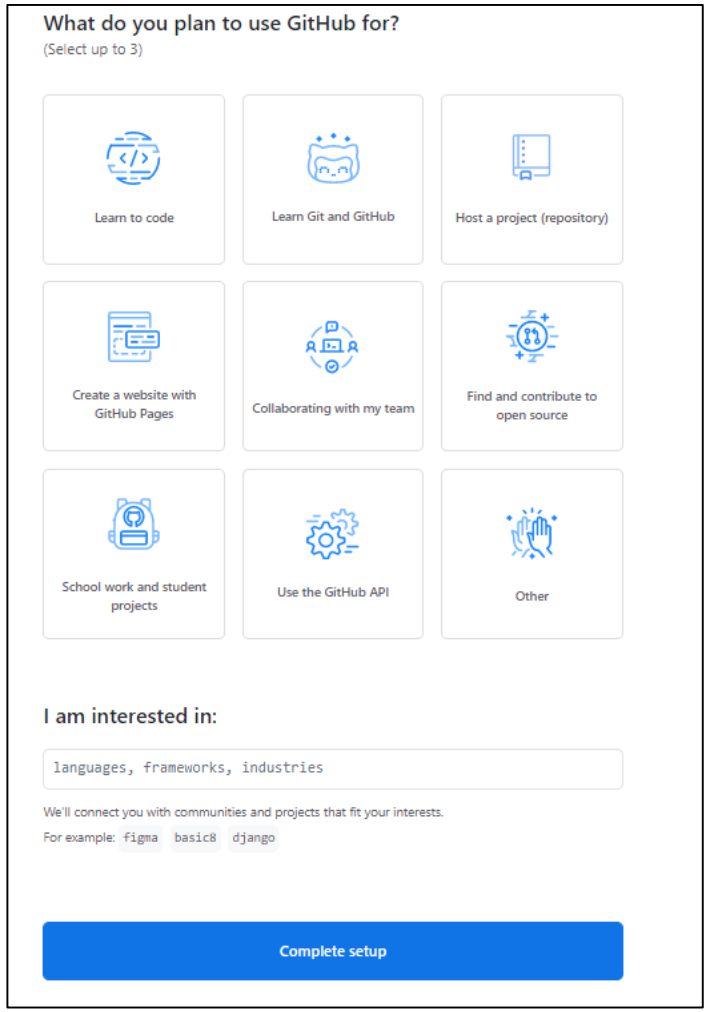
4 : Write your Password

5 : Verify your account

6 : Click create account

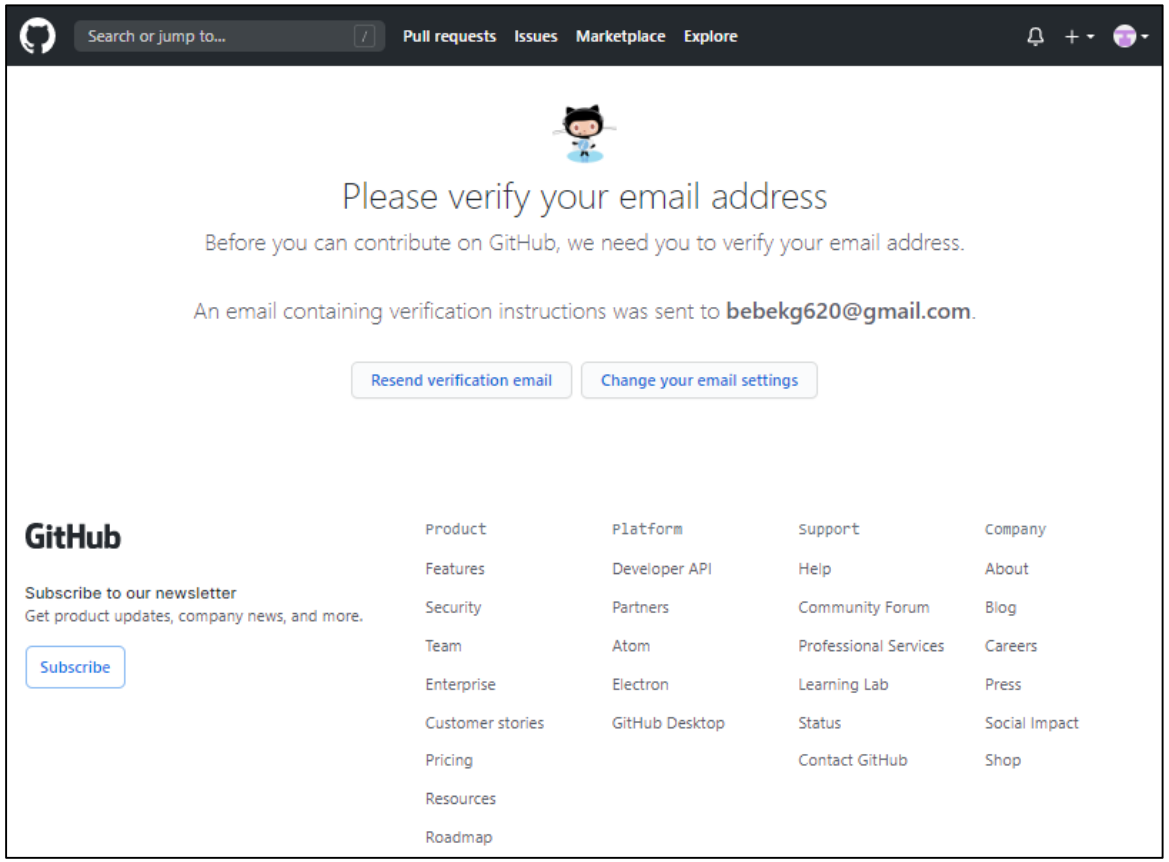
SELECT YOUR PLAN TO USE GITHUB

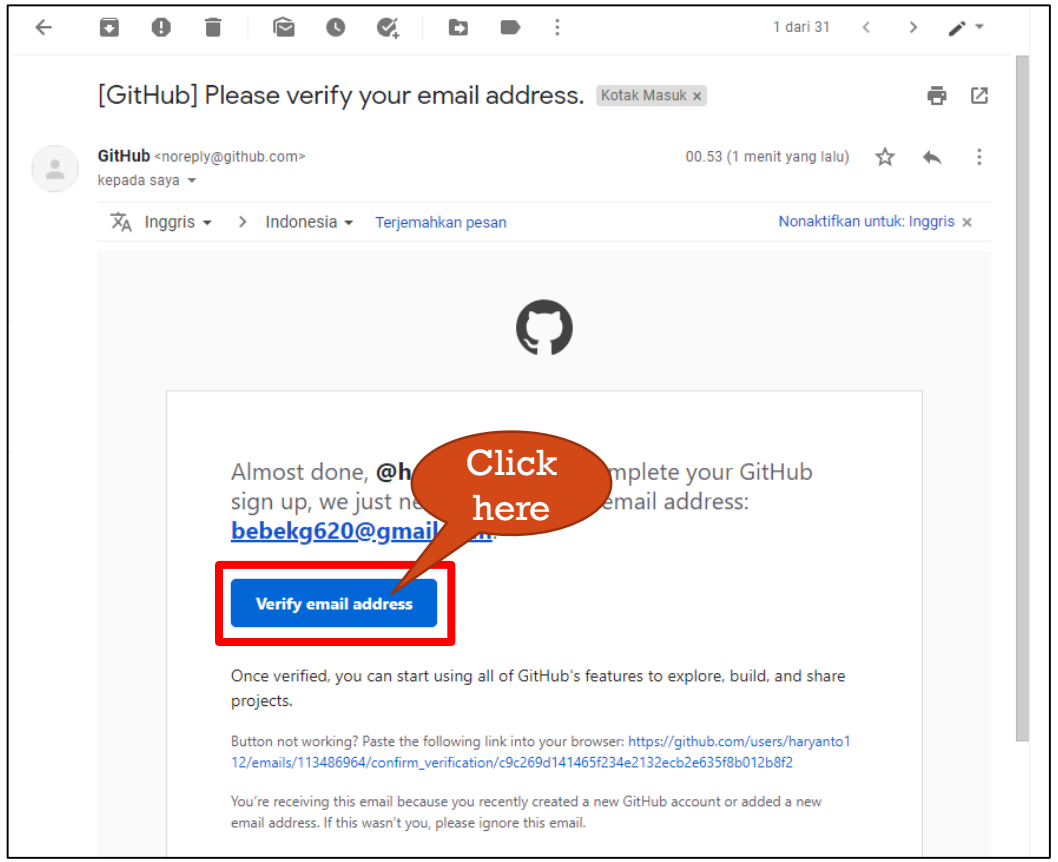




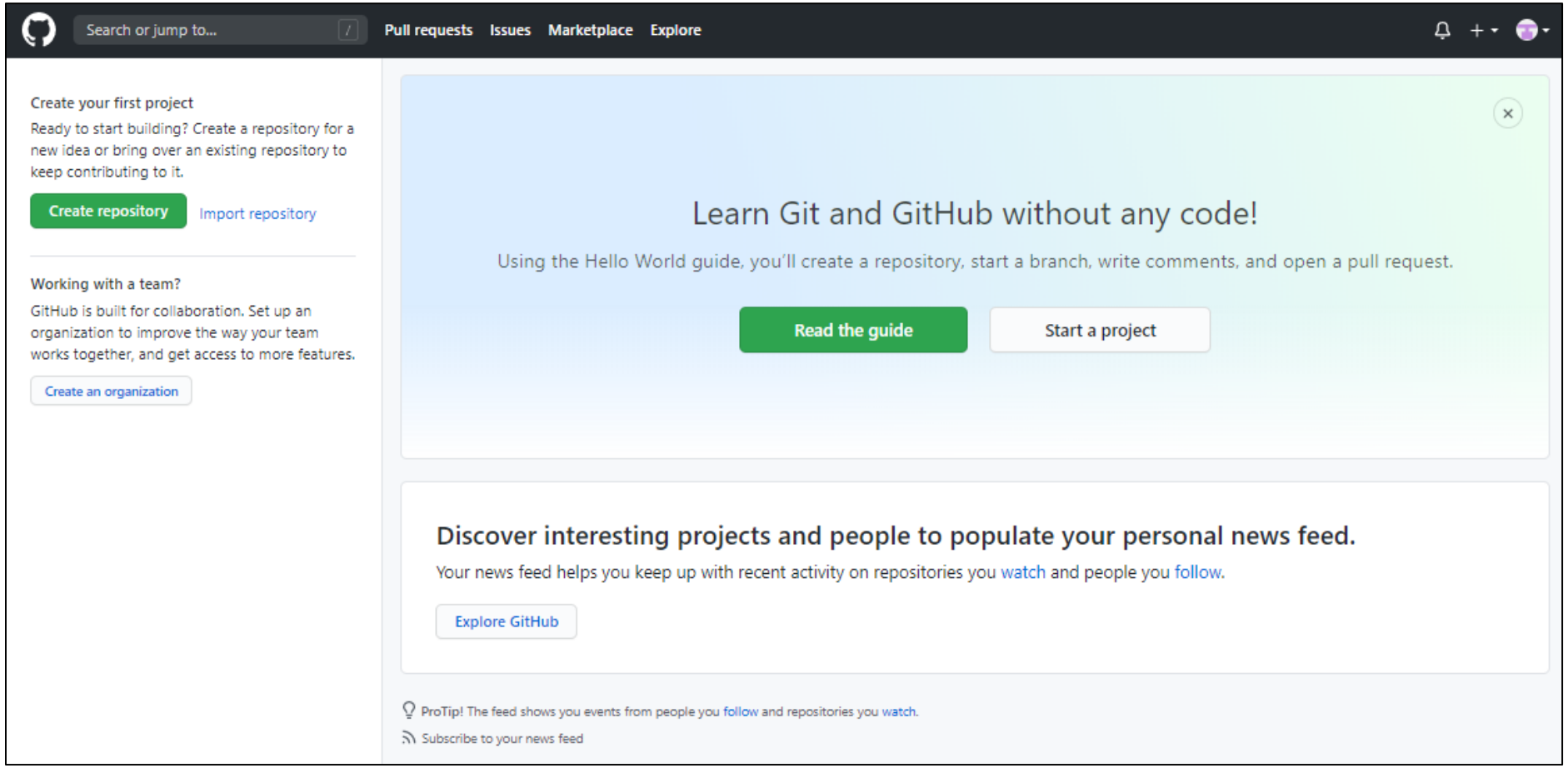
Just select what you interesting when use GitHub. Then complete setup !!

VERIFY YOUR EMAIL





GITHUB ACCOUNT IS CREATED

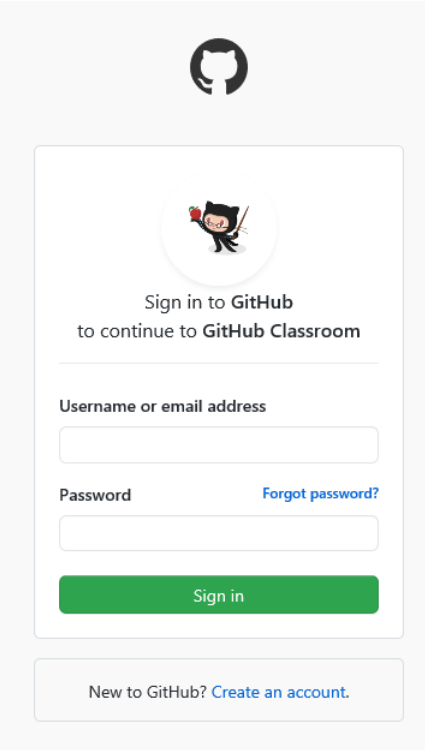


Yess !!

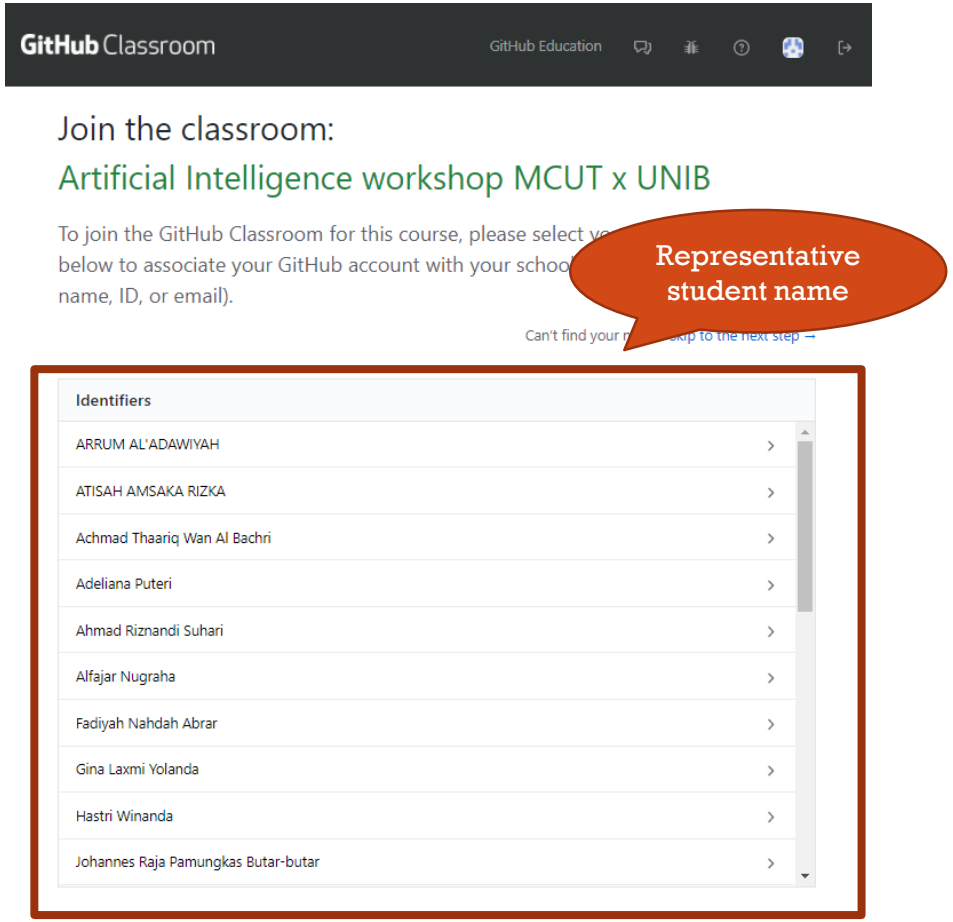
Your GitHub account already to use !!!

JOIN TO THE CLASSROOM

- Visit the link provide by teaching staff for join to the classroom and accept the assignment. Example: https://classroom.github.com/a/ytjfBKHq



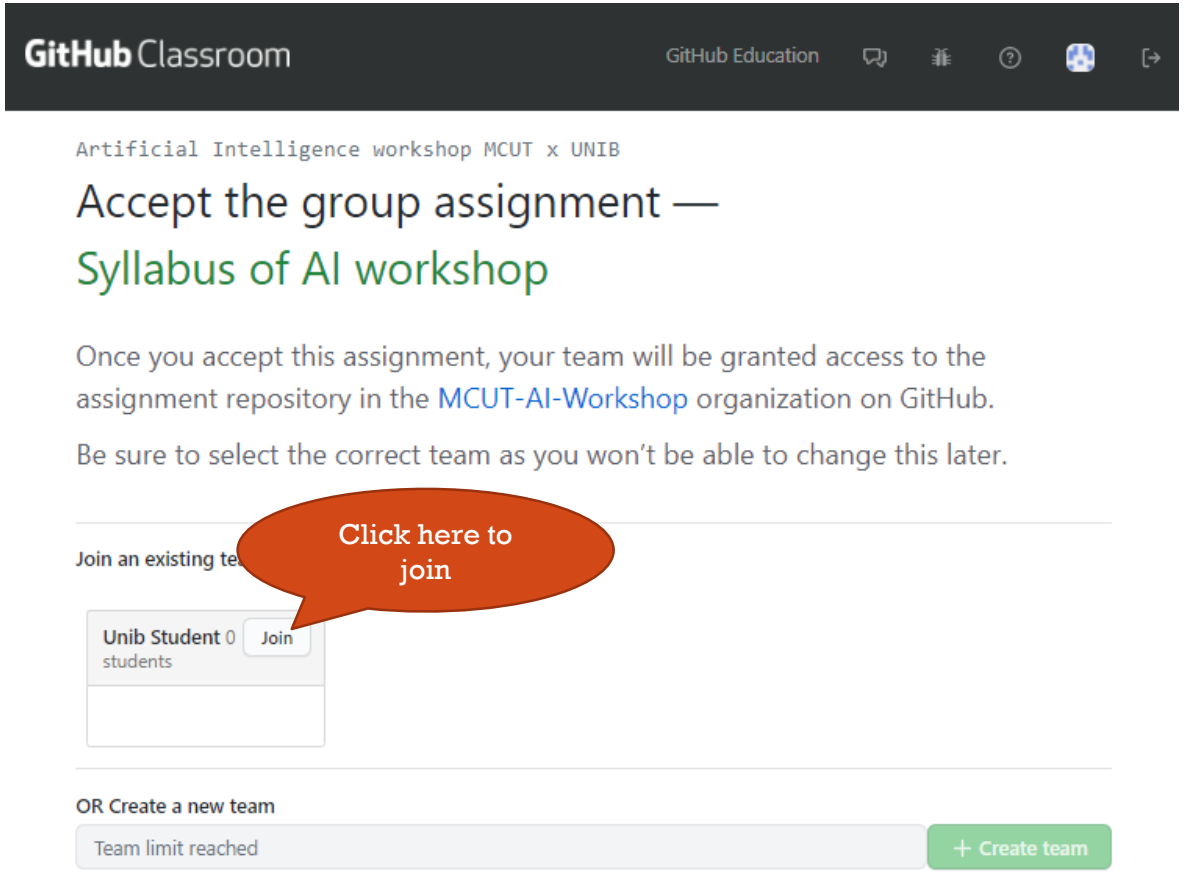
Note: login first If you not login yet



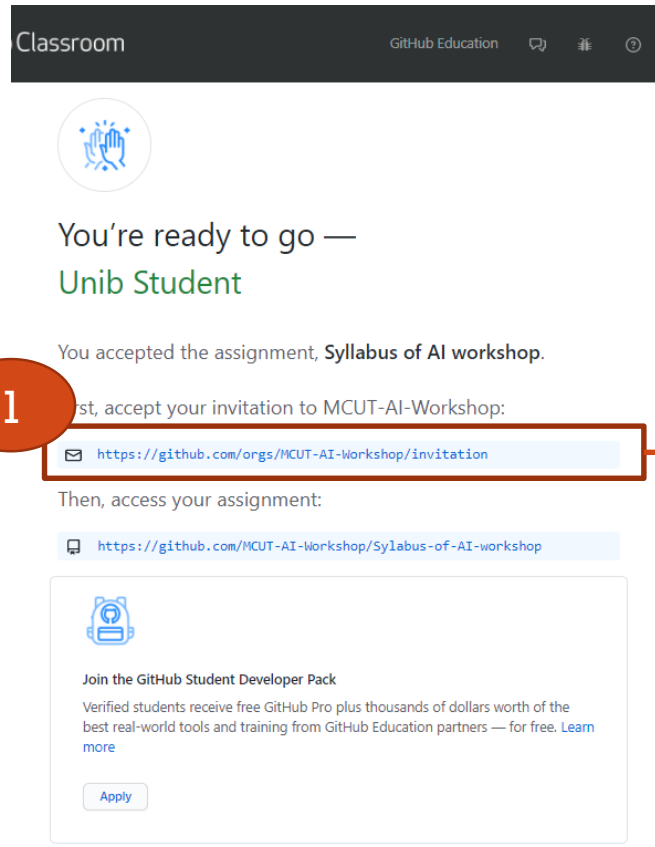
After you login, It will ask you to select the identifiers representative your name. **Select your name and click it** !!

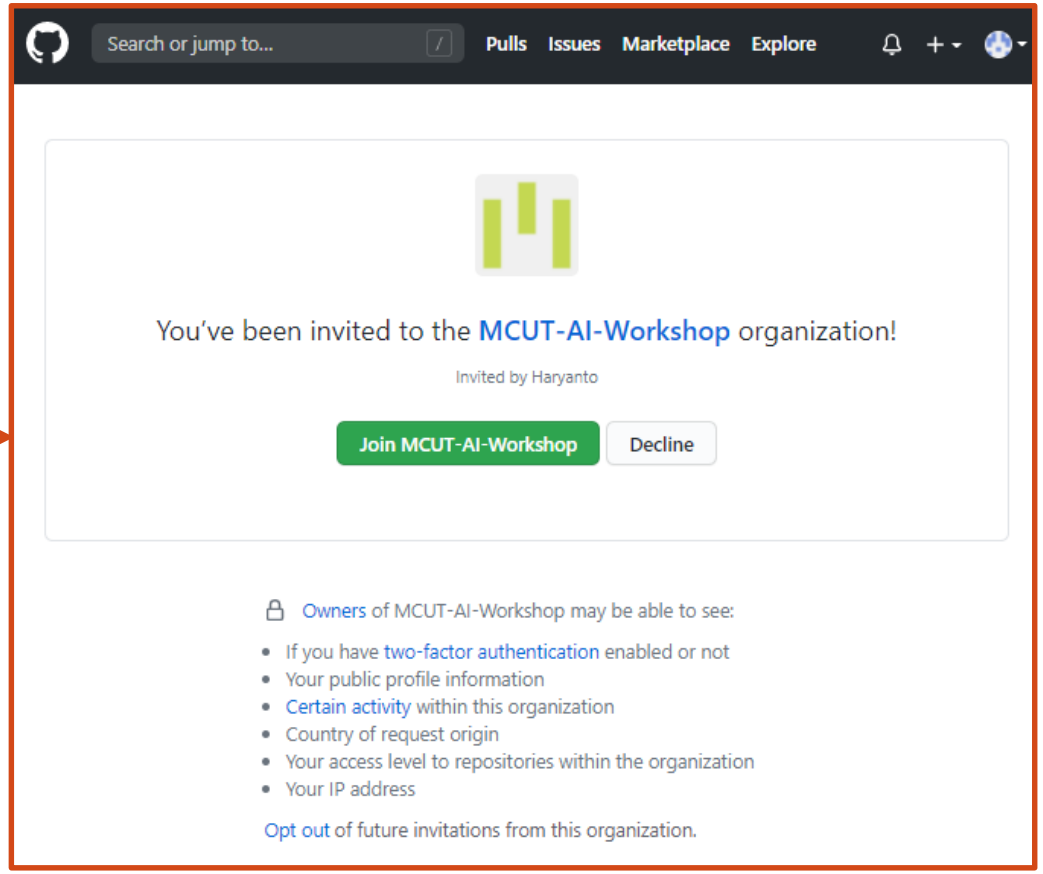
JOIN TO THE CLASSROOM

- Join with existing team, for example the team name is ‘unib student’

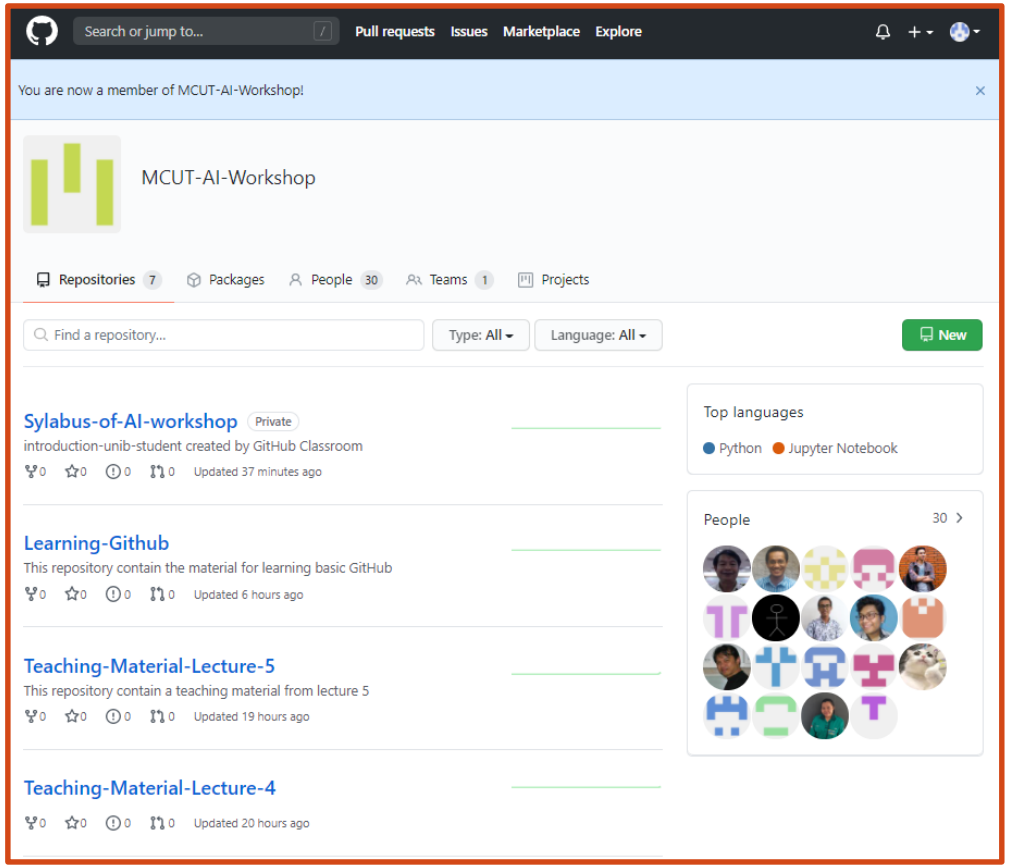


JOIN TO THE CLASSROOM





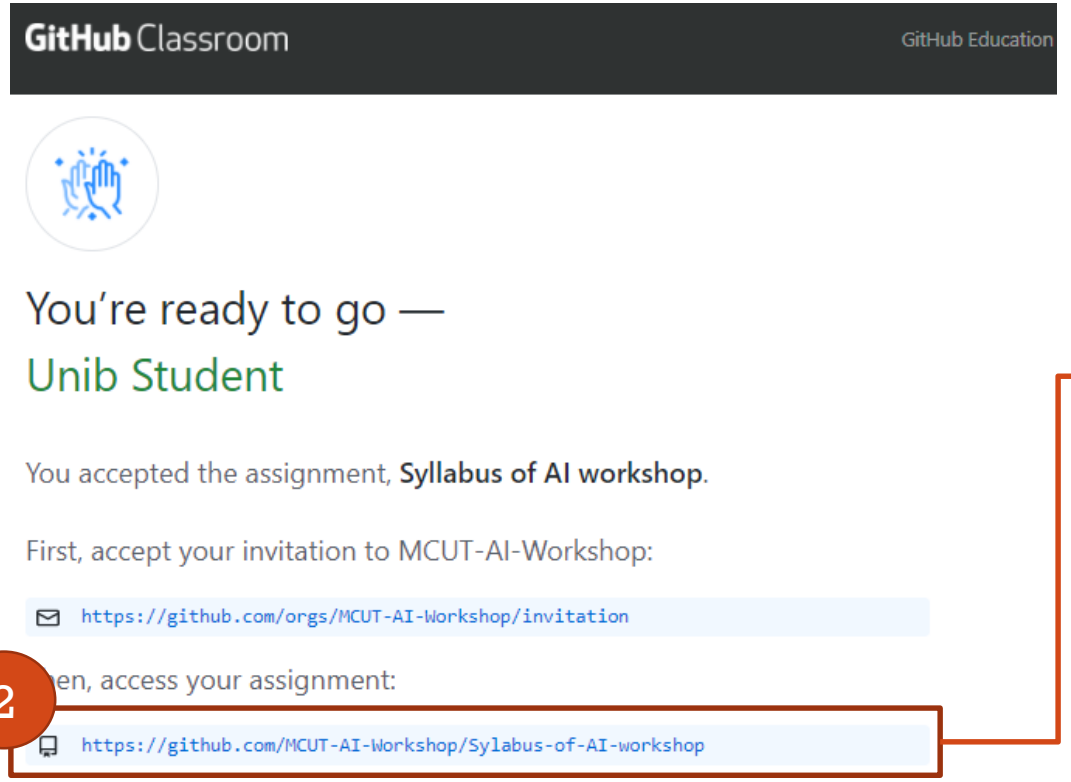
JOIN TO THE CLASSROOM



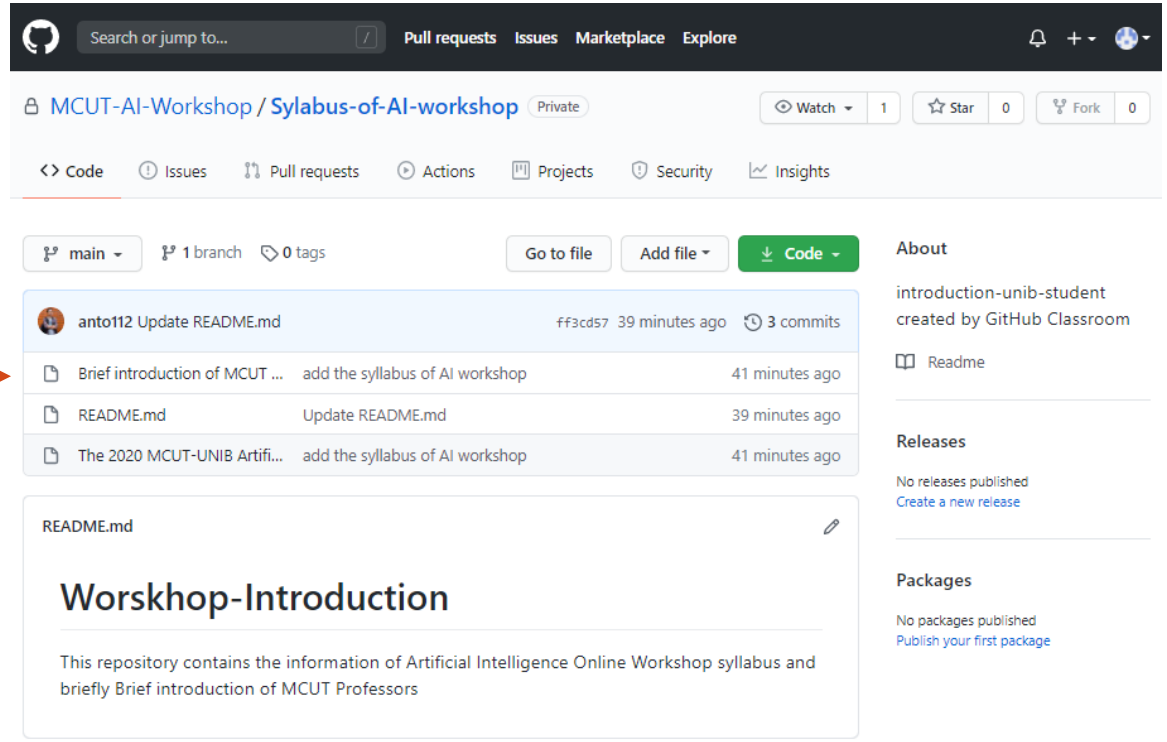
Now you already join the GitHub organization as a member.

JOIN TO THE CLASSROOM

Go back to this page !!!



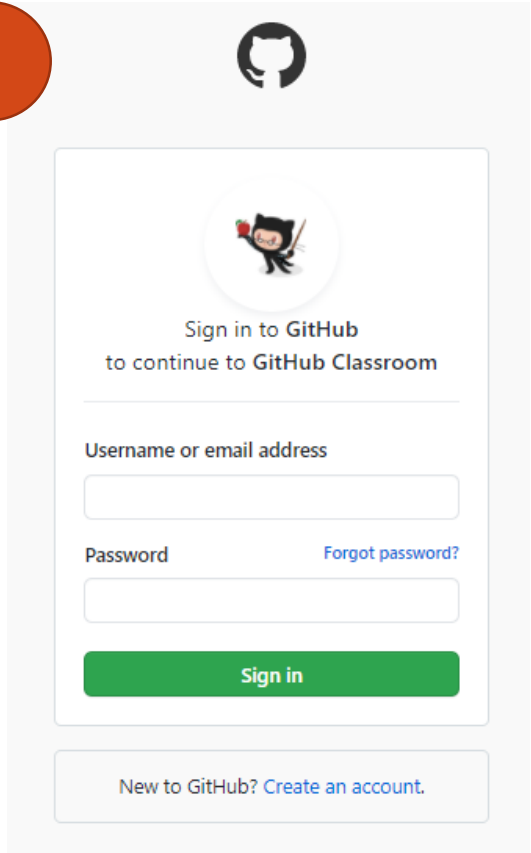
You will get the repository contain the syllabus of the course



ACCEPT THE ASSIGNMENT

Visit the link provide by Teacher or Teaching assistance. You have to login If you not yet login the GitHub account.

1



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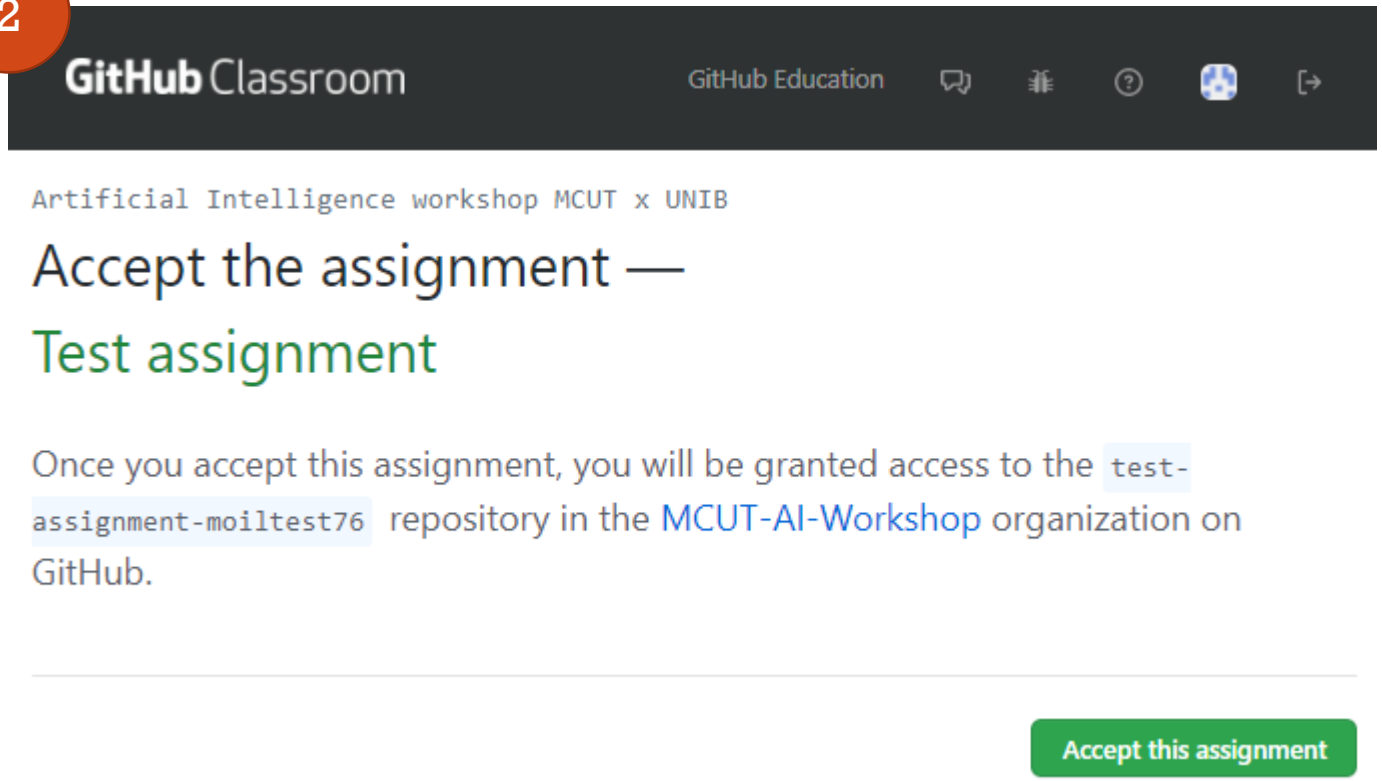
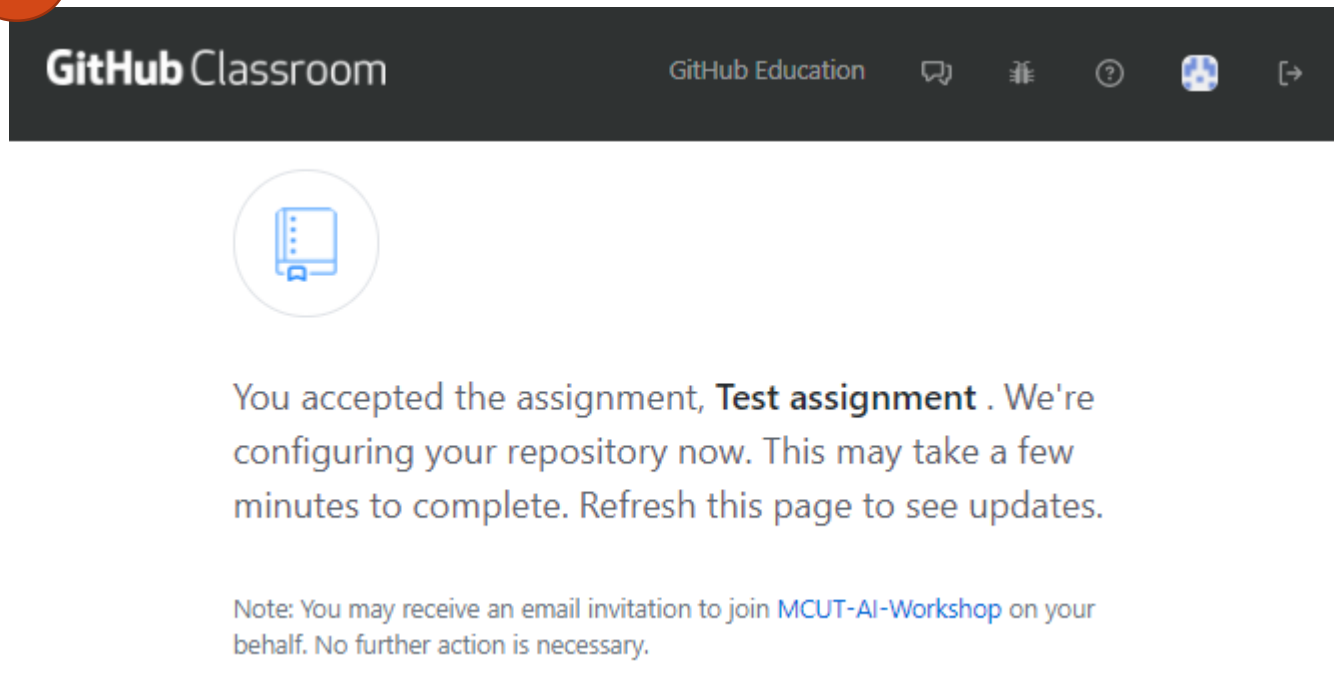
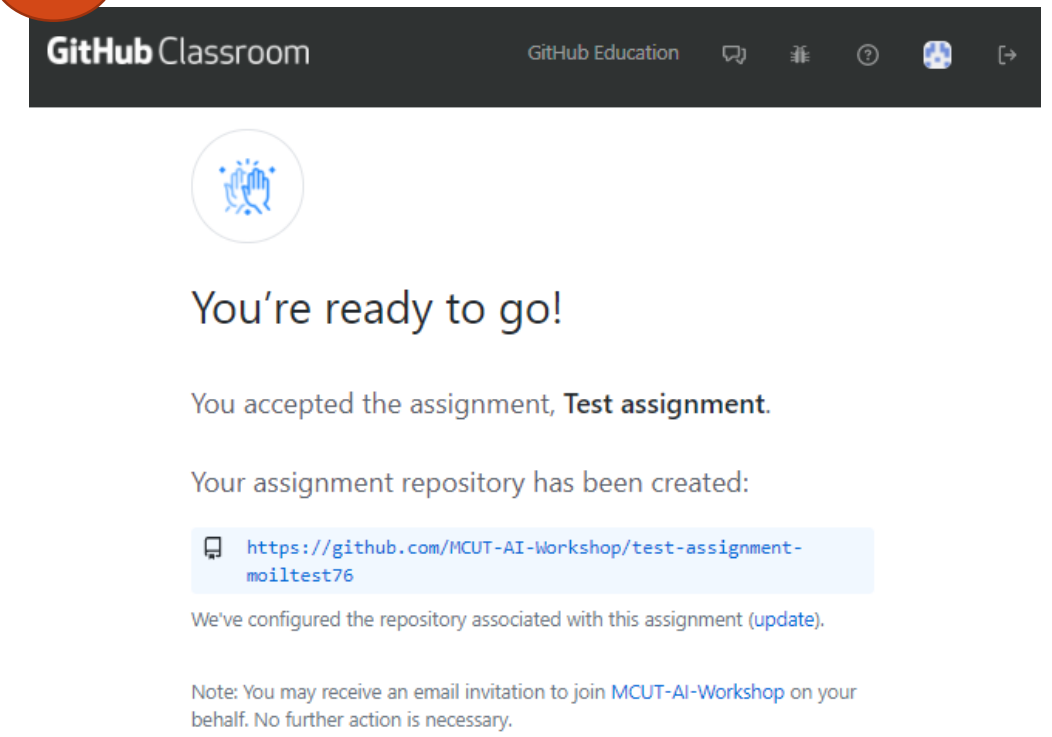


ACCEPT THE ASSIGNMENT

3



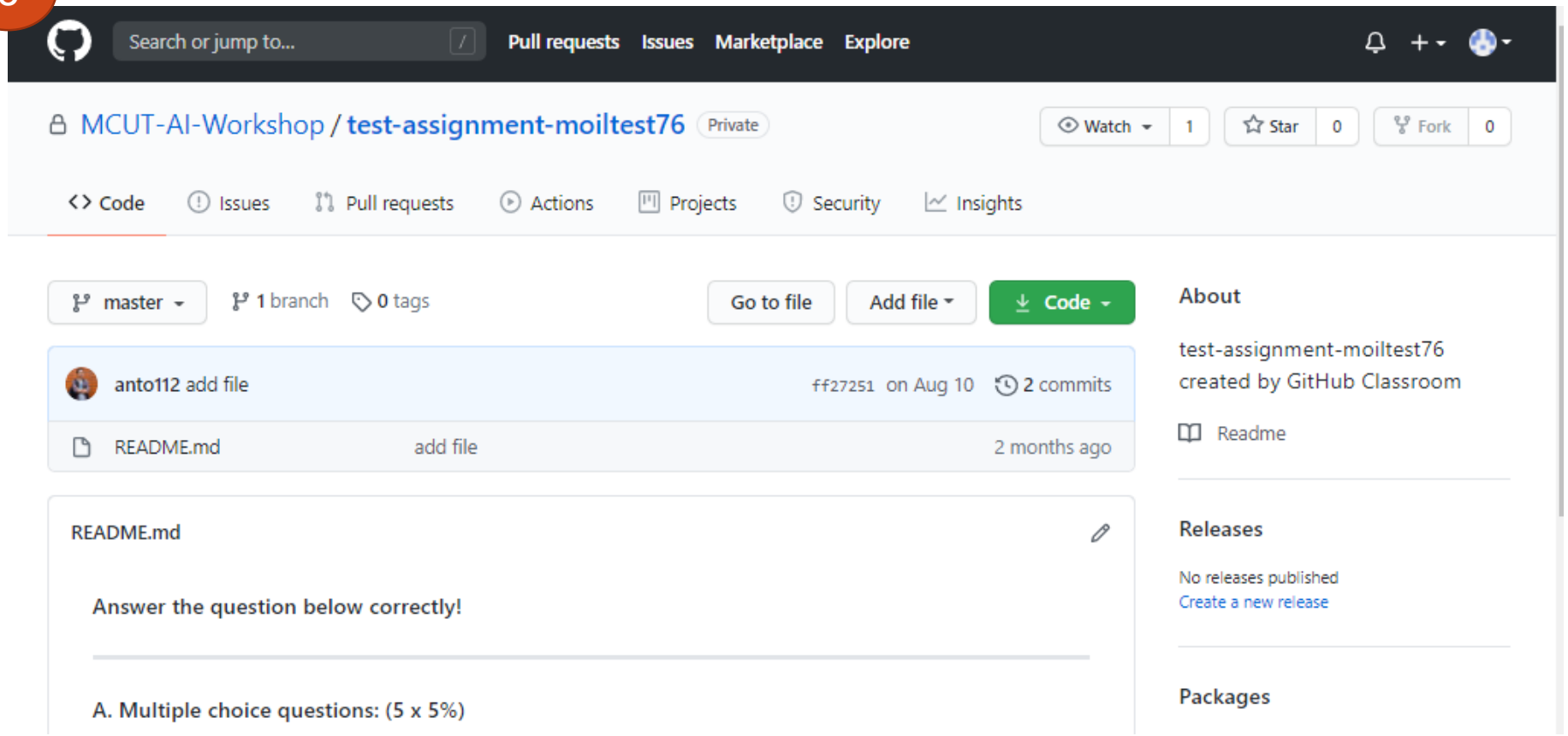
4



Reload this page if not change !!!

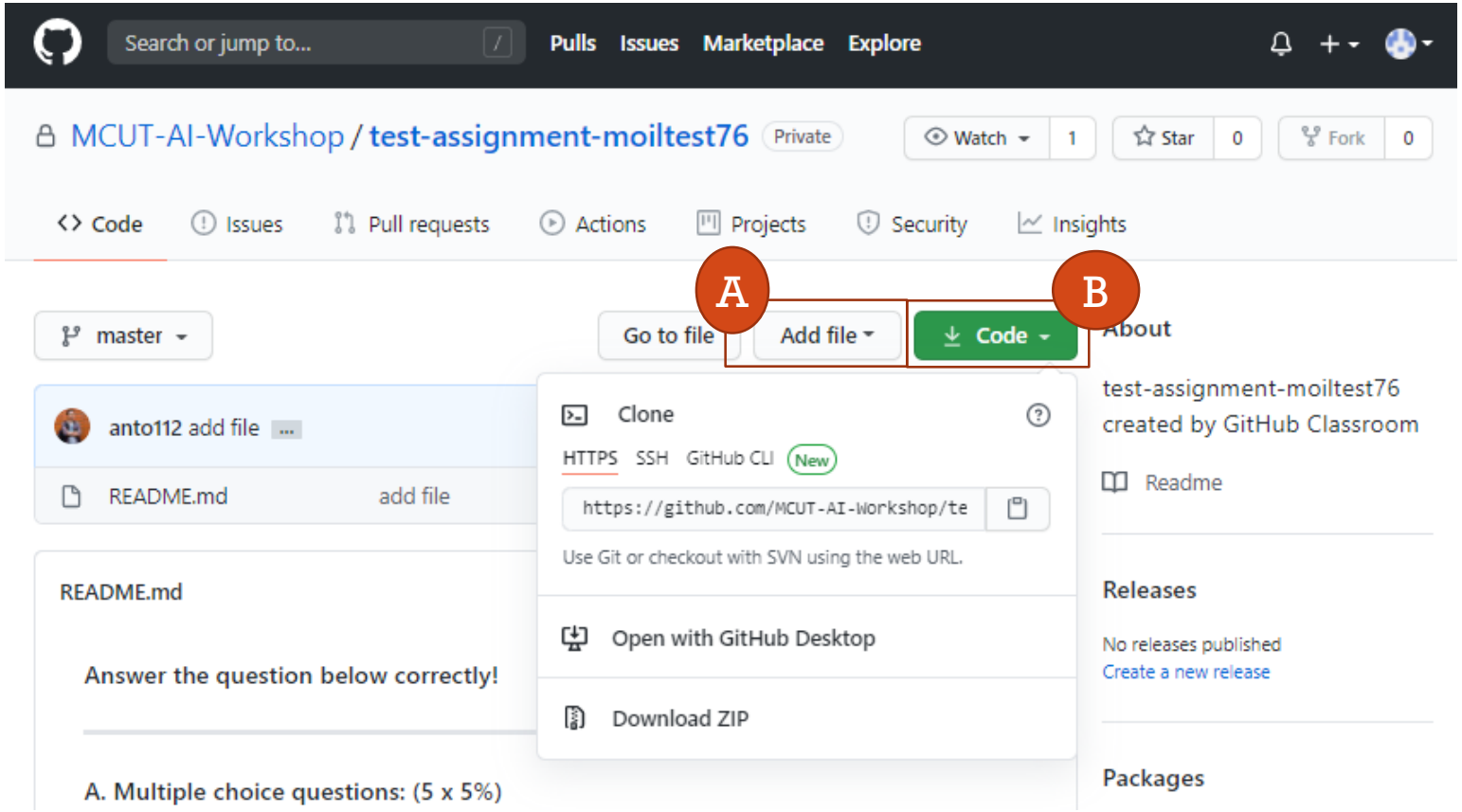
ACCEPT THE ASSIGNMENT

5



After you accept the assignment, the assignment or started code will store in your repository belong to GitHub classroom

ACCEPT THE ASSIGNMENT

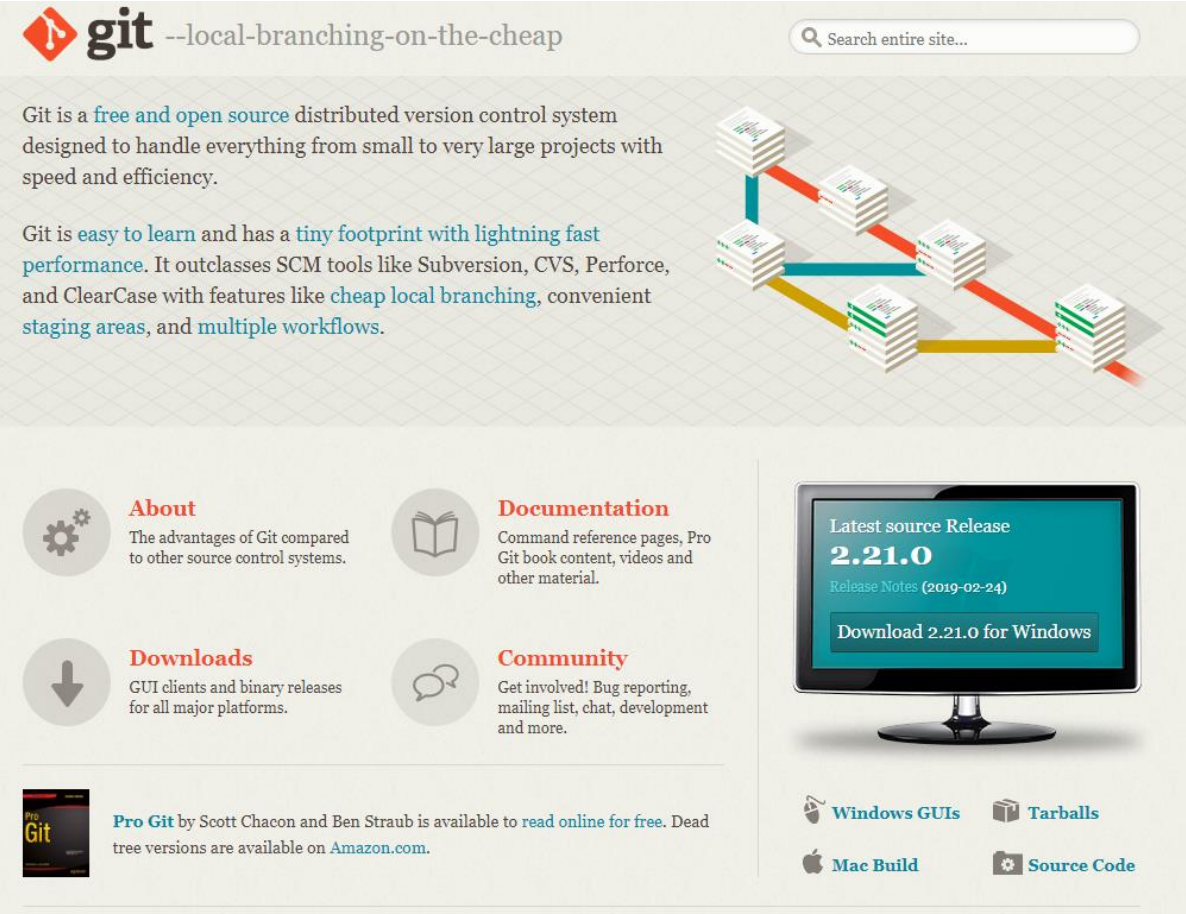


A. Upload your answer directly

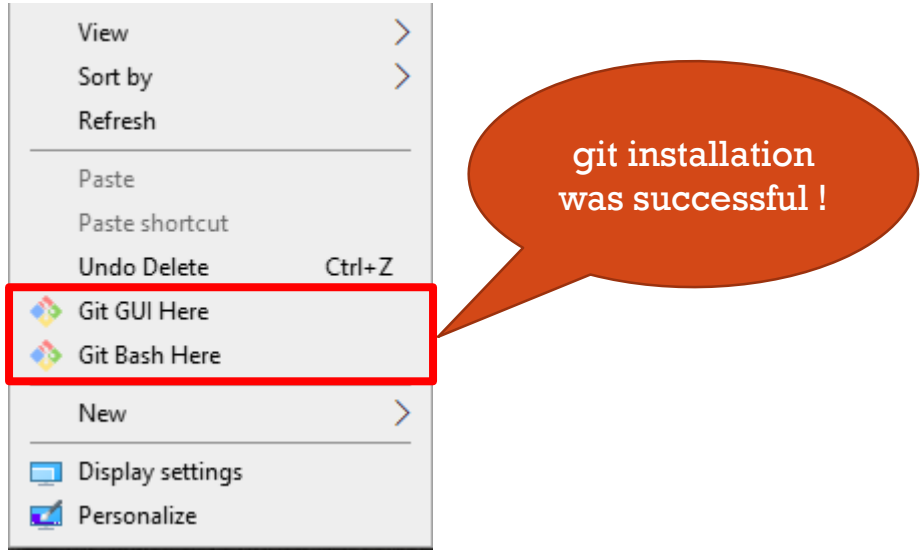
B. Download zip or clone using URL server

USING GIT

- Download and install Git refer to this link



If you use windows OS, if you finish the installation then right click your mouse it will like picture bellow this.



If you use Linux OS, you can control git by command line.

SOME IMPORTANT GIT COMMAND

- git config (*This command sets the author name and email address respectively to be used with your commits*)

  Usage: git config –global user.name "[name]"

  Usage: git config –global user.email "[email address]"

- git init (*This command is used to start a new repository*)

  Usage: git init [repository name]

- git add (*This command adds a file to the staging area*)

  Usage: git add [file]

- git commit (*This command records or snapshots the file permanently in the version history*)

  Usage: git commit -m "[Type in the commit message]"

- git remote (*This command is used to connect your local repository to the remote server*)

  Usage: git remote add [variable name] [Remote Server Link]

- git push (*This command sends the committed changes of master branch to your remote repository*)

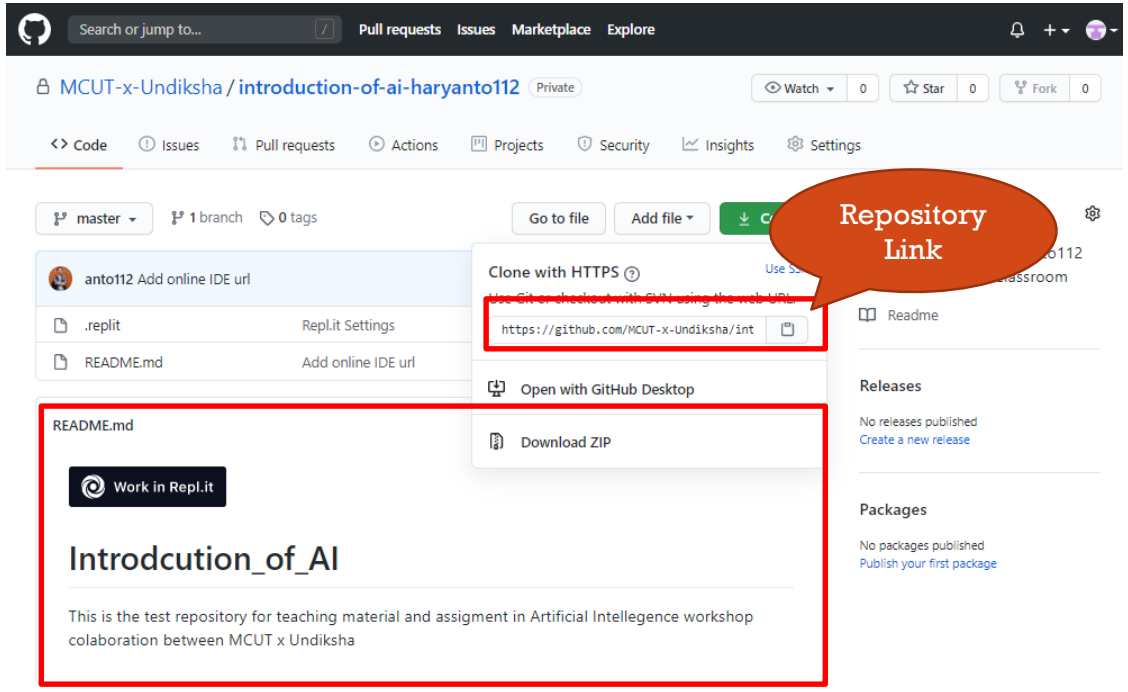
  Usage: git push [variable name] master

- git pull (*This command fetches and merges changes on the remote server to your working directory*)

  Usage: git pull [Repository Link]

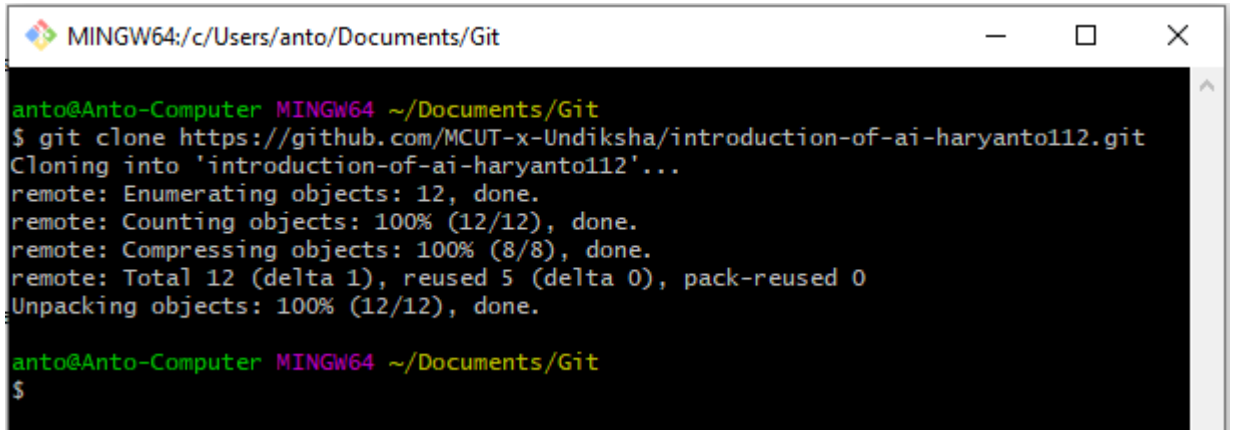
https://dzone.com/articles/top-20-git-commands-with-examples

DOWNLOAD ASSIGNMENT USING GIT

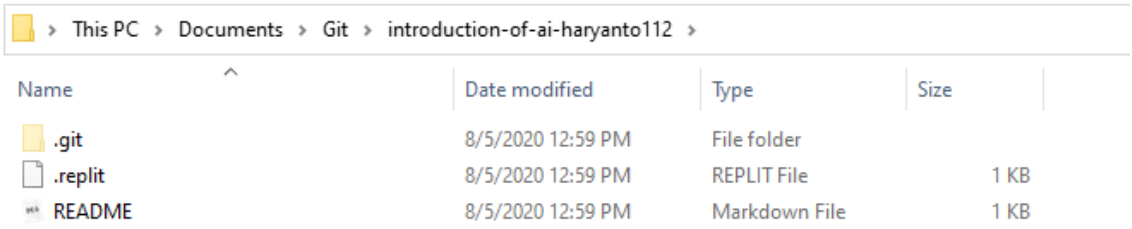


Note: Original content file in README.md

Open git and typing command: *git clone <repository link>*



Then the file will download to your PC

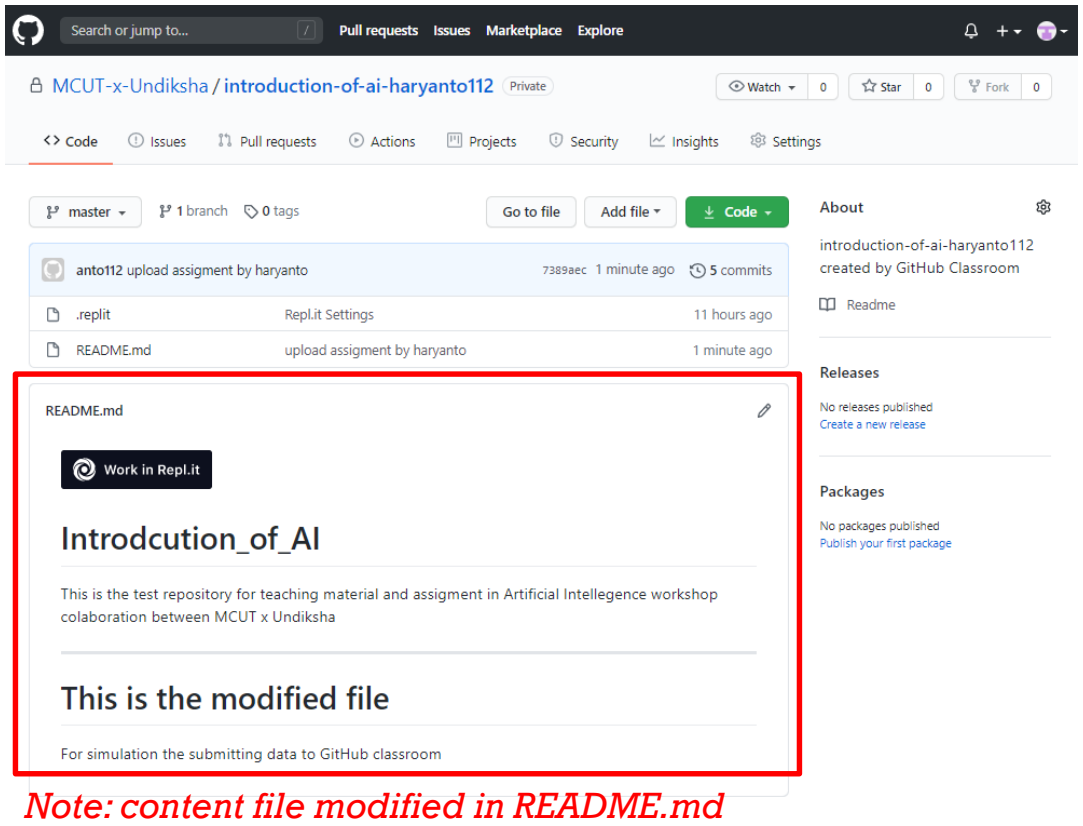


UPLOAD ASSIGNMENT TO GITHUB USING GIT

Navigate to your folder assignment, then modify it. You can add any file such as markdown, PPT, code and etc. then you just typing git command like showing bellow this.

```
MINGW64:/c/Users/anto/Documents/Git/introduction-of-ai-haryanto112

anto@Anto-Computer MINGW64 ~/Documents/Git/introduction-of-ai-haryanto112 (master)
$ git add .

anto@Anto-Computer MINGW64 ~/Documents/Git/introduction-of-ai-haryanto112 (master)
$ git commit -m "upload assigment by haryanto"
[master 7389aec] upload assigment by haryanto
 1 file changed, 6 insertions(+)

anto@Anto-Computer MINGW64 ~/Documents/Git/introduction-of-ai-haryanto112 (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 400 bytes | 400.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/MCUT-x-Undiksha/introduction-of-ai-haryanto112.git
   845e997..7389aec  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

anto@Anto-Computer MINGW64 ~/Documents/Git/introduction-of-ai-haryanto112 (master)
$
```

You can check and refresh your GitHub repository, your modified file will store there



Note: content file modified in README.md

REFERENCE

- https://classroom.github.com/help
- https://education.github.com/pack
- https://git-scm.com/docs
- https://dzone.com/articles/top-20-git-commands-with-examples

Thank You

Contact me:
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Line_id: Haryanto_96