

GitHub Classroom For Student

BY: Haryanto



OUTLINE

- Introduction
- Create new account GitHub
- 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**

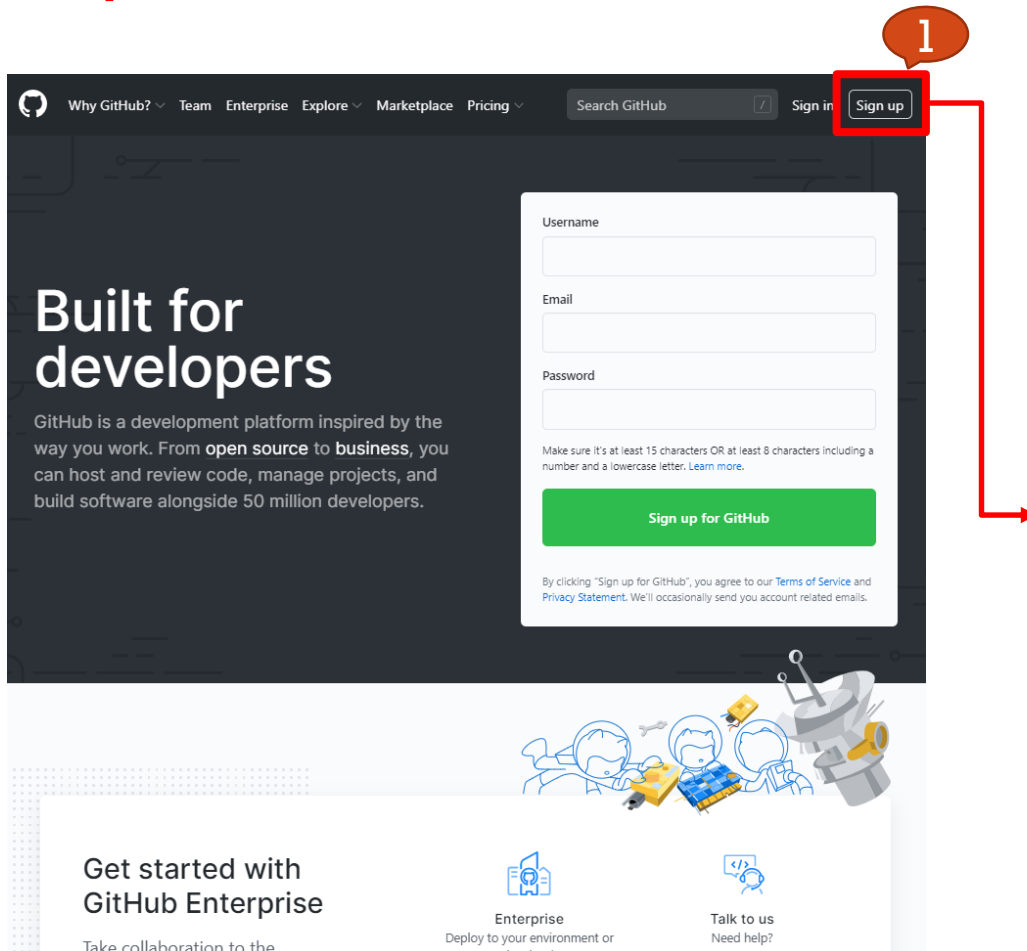
GitHub brings together teams onto one collaborative platform where they can share ideas and methods and make awesome software together to finish their team assignment.

- **Industry Relevance**

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

CREATE NEW ACCOUNT

- *If you don't have GitHub account*



Why GitHub? Team Enterprise Explore Marketplace Pricing Search GitHub Sign in **Sign up**

Built for developers

GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside 50 million developers.

Username

Email

Password

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

Sign up for GitHub

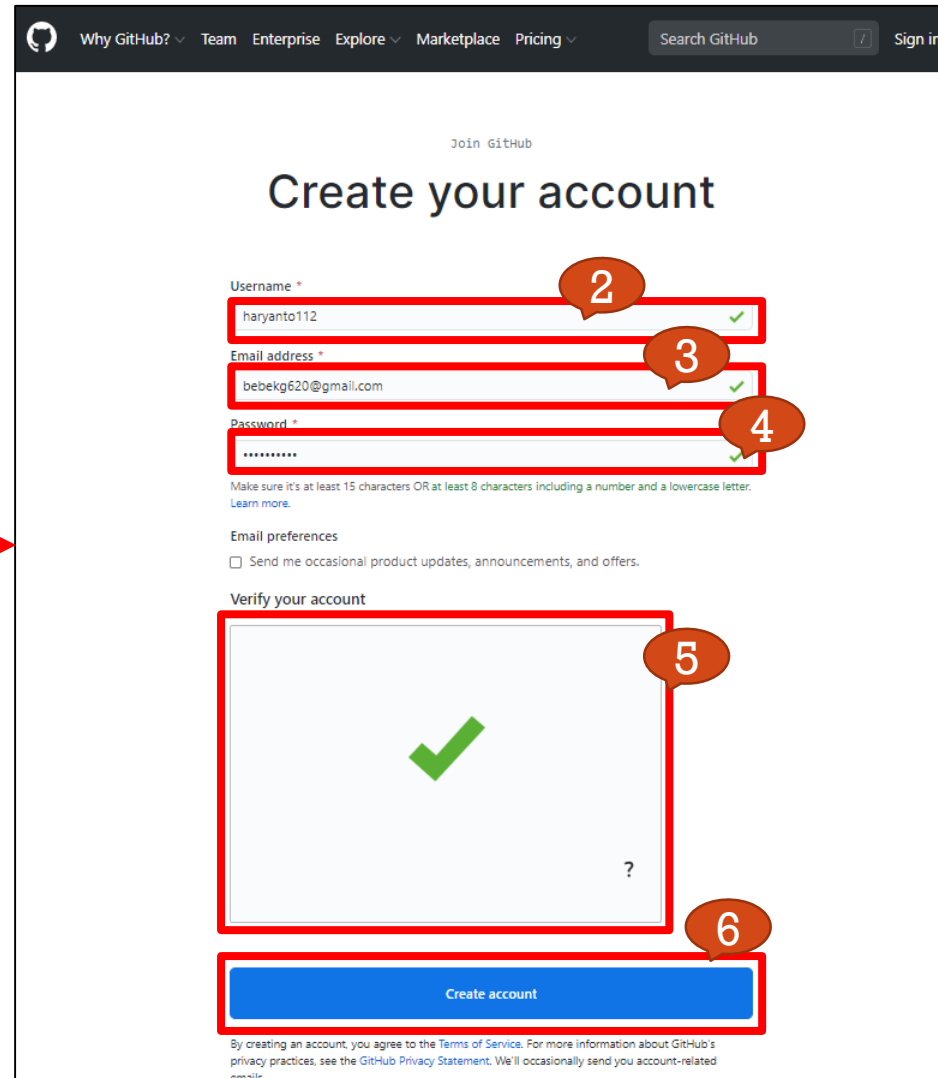
By clicking "Sign up for GitHub", you agree to our [Terms of Service](#) and [Privacy Statement](#). We'll occasionally send you account related emails.

Get started with GitHub Enterprise

Take collaboration to the

Enterprise Deploy to your environment or the cloud

Talk to us Need help?



Join GitHub

Create your account

Username * **2** haryanto112 ✓

Email address * **3** bebekg620@gmail.com ✓

Password * **4** ***** ✓

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

Email preferences

☐ Send me occasional product updates, announcements, and offers.

Verify your account **5**

6

Create account


By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

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

October 9, 2020

SELECT YOUR PLAN TO USE GITHUB

 Search or jump to... Pull requests Issues Marketplace Explore

Selected plan: Free

Welcome to GitHub

Woohoo! You've joined millions of developers who are doing their best work on GitHub. Tell us what you're interested in. We'll help you get there.

What kind of work do you do, mainly?

Software Engineer
I write code

Student
I go to school

Product Manager
I write specs

UX & Design
I draw interfaces

Data & Analytics
I write queries

Marketing & Sales
I look at charts

Teacher
I educate people

Other
I do my own thing

How much programming experience do you have?

None
I don't program at all

A little
I'm new to programming

A moderate amount
I'm somewhat experienced


A lot
I'm very experienced


What do you plan to use GitHub for?


(Select up to 3)


What do you plan to use GitHub for?


(Select up to 3)



Learn to code



Learn Git and GitHub



Host a project (repository)



Create a website with GitHub Pages


Collaborating with my team


Find and contribute to open source


School work and student projects


Use the GitHub API


Other

I am interested in:

languages, frameworks, industries

We'll connect you with communities and projects that fit your interests.
For example: `figma` `basic8` `django`

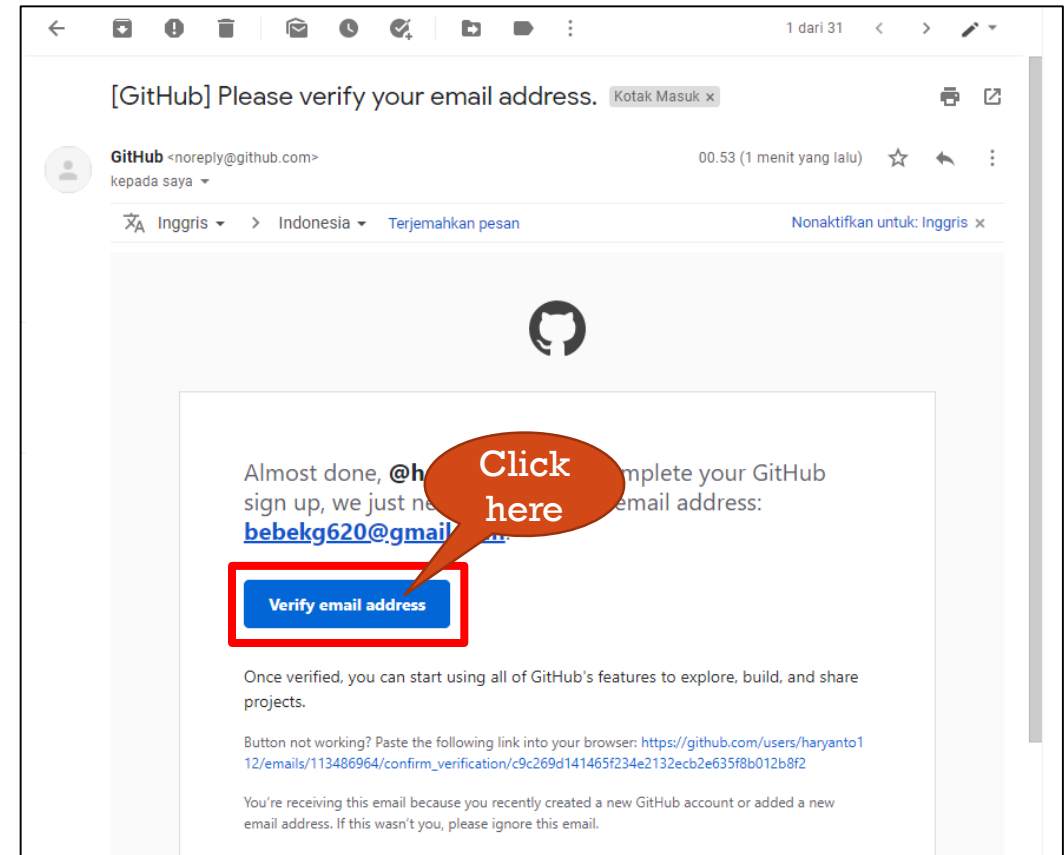
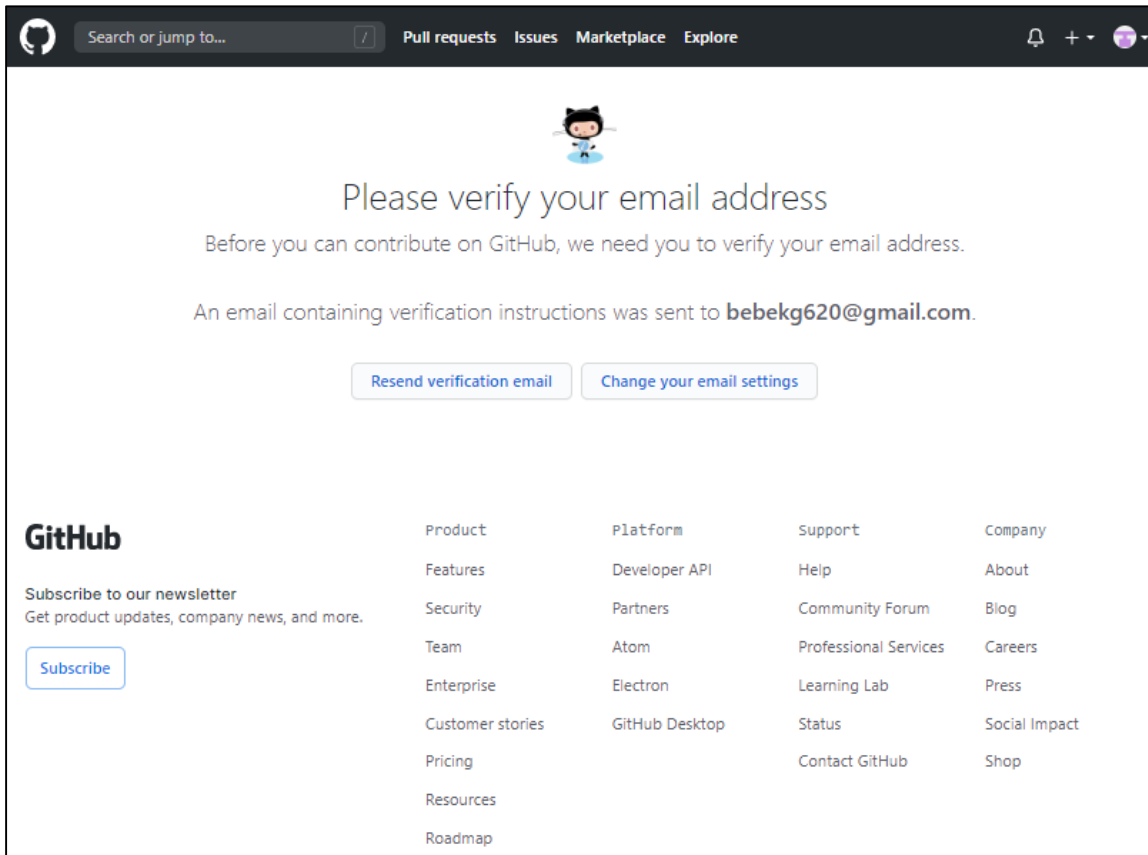
Complete setup

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

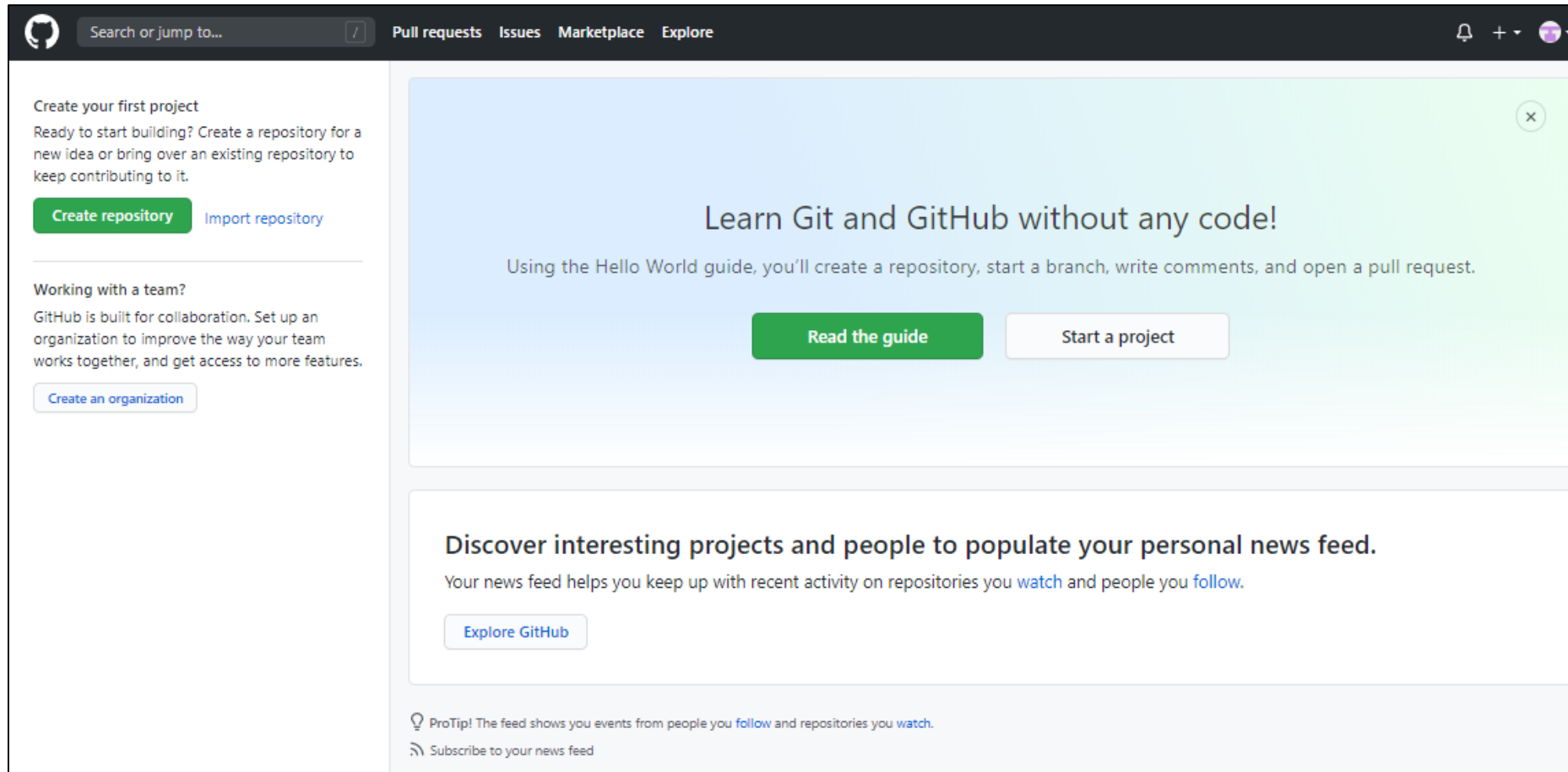
October 9, 2020

6

VERIFY YOUR EMAIL



GITHUB ACCOUNT IS CREATED

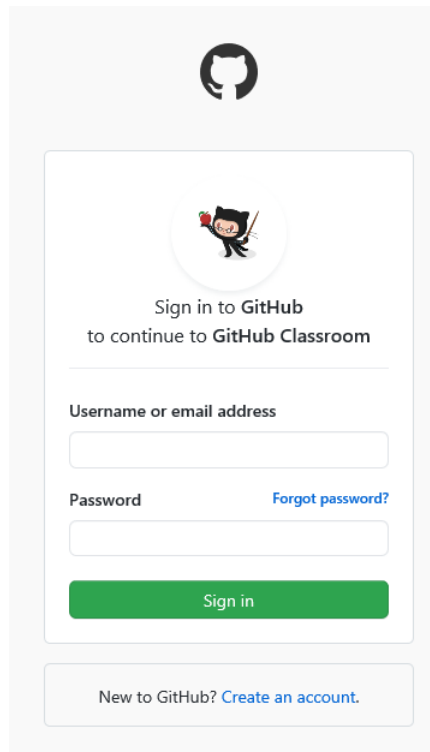


Yess !!

Your GitHub
account already
to use !!!

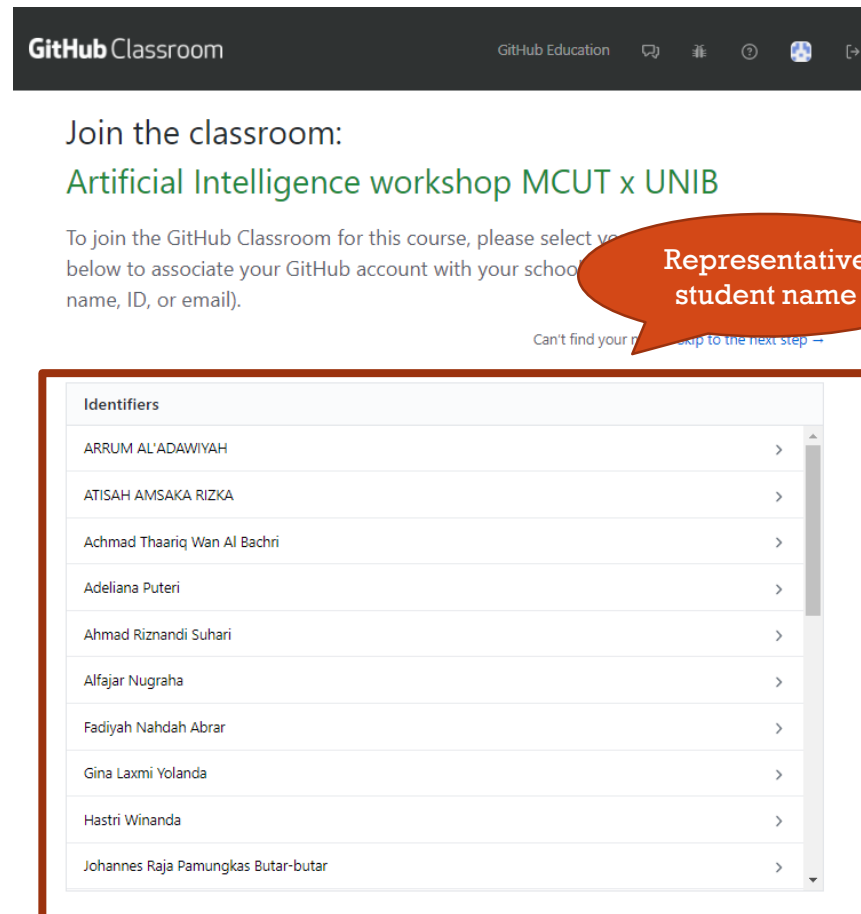
JOIN TO THE CLASSROOM

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



The login form features the GitHub logo at the top. Below it is a circular profile picture placeholder with a cartoon character. The text 'Sign in to GitHub to continue to GitHub Classroom' is centered. There are two input fields: 'Username or email address' and 'Password'. A green 'Sign in' button is at the bottom. A link 'Forgot password?' is next to the password field. At the very bottom, there is a link 'New to GitHub? Create an account.'

Note: login first If you not login yet



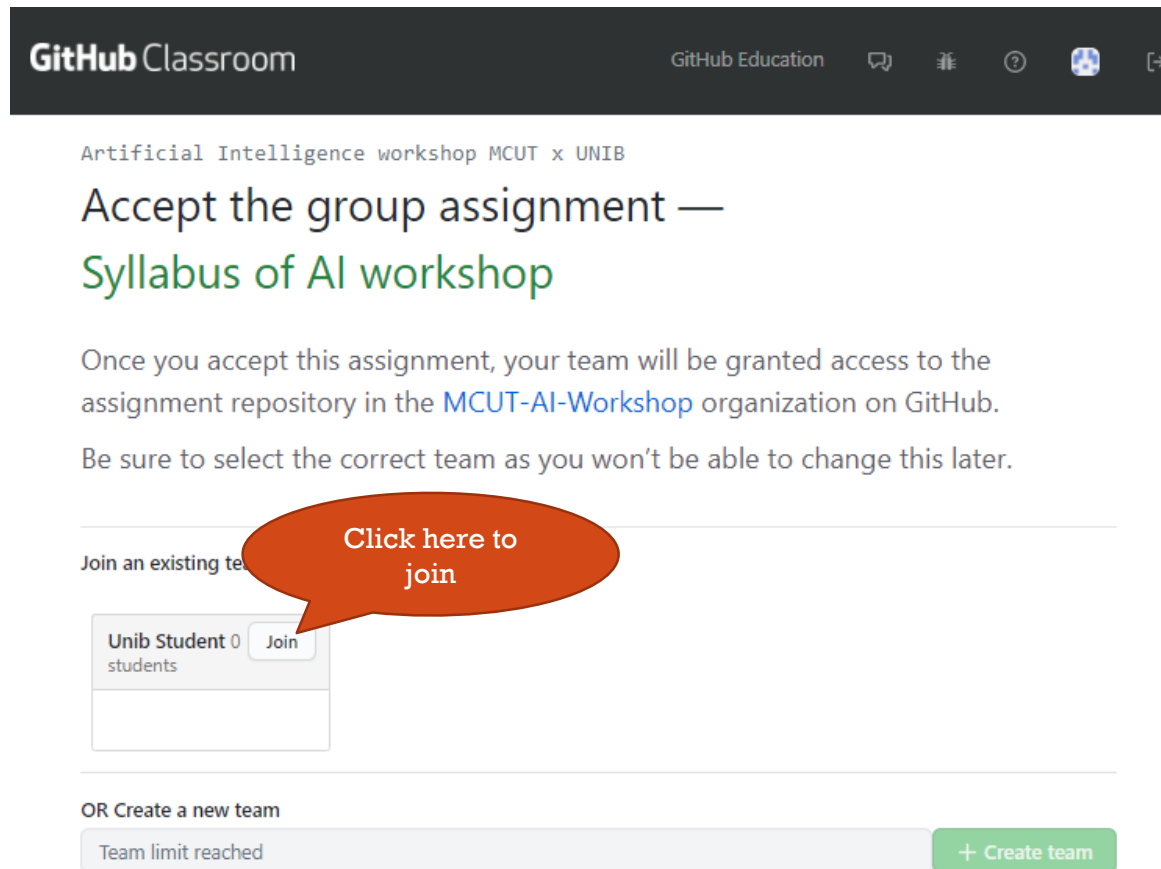
The interface shows the 'GitHub Classroom' header with navigation links. The main heading is 'Join the classroom: Artificial Intelligence workshop MCUT x UNIB'. Below this, it says 'To join the GitHub Classroom for this course, please select your school or organization from the list below to associate your GitHub account with your school (name, ID, or email)'. A red speech bubble points to the list with the text 'Representative student name'. The list is titled 'Identifiers' and contains the following names:

Identifiers
ARRUM AL'ADAWIYAH
ATISAH AMSAKA RIZKA
Achmad Thaariq Wan Al Bachri
Adeliana Puteri
Ahmad Riznandi Suhari
Alfajar Nugraha
Fadiyah Nahdah Abrar
Gina Laxmi Yolanda
Hastri Winanda
Johannes Raja Pamungkas Butar-butur

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'



GitHub Classroom

GitHub Education

Artificial Intelligence workshop MCUT x UNIB

Accept the group assignment —
Syllabus of AI workshop

Once you accept this assignment, your team will be granted access to the assignment repository in the [MCUT-AI-Workshop](#) organization on GitHub.

Be sure to select the correct team as you won't be able to change this later.

Join an existing team

Unib Student 0 students

OR Create a new team

Team limit reached

JOIN TO THE CLASSROOM

The image shows two side-by-side screenshots from GitHub. The left screenshot is from the 'Classroom' page, which has a dark header with 'Classroom' and 'GitHub Education' links. Below the header is a circular icon with a blue robot head. The main text says 'You're ready to go — Unib Student'. Below this, it says 'You accepted the assignment, Syllabus of AI workshop.' A red circle with the number '1' is next to the text 'First, accept your invitation to MCUT-AI-Workshop:'. Below this is a blue link: <https://github.com/orgs/MCUT-AI-Workshop/invitation>. Below the link is the text 'Then, access your assignment:' followed by another blue link: <https://github.com/MCUT-AI-Workshop/Syllabus-of-AI-workshop>. At the bottom is a box titled 'Join the GitHub Student Developer Pack' with a blue robot head icon and an 'Apply' button. The right screenshot is from the GitHub organization invitation page for 'MCUT-AI-Workshop'. It has a dark header with the GitHub logo, a search bar, and links for 'Pulls', 'Issues', 'Marketplace', and 'Explore'. The main content area has a green bar with the text 'You've been invited to the MCUT-AI-Workshop organization!'. Below this is 'Invited by Haryanto' and two buttons: 'Join MCUT-AI-Workshop' (green) and 'Decline' (grey). At the bottom, there is a section titled 'Owners of MCUT-AI-Workshop may be able to see:' followed by a list of permissions: 'If you have two-factor authentication enabled or not', 'Your public profile information', 'Certain activity within this organization', 'Country of request origin', 'Your access level to repositories within the organization', and 'Your IP address'. Below the list is a link 'Opt out of future invitations from this organization.'

Classroom GitHub Education

You're ready to go —
Unib Student

You accepted the assignment, **Syllabus of AI workshop**.

1 First, accept your invitation to MCUT-AI-Workshop:

<https://github.com/orgs/MCUT-AI-Workshop/invitation>

Then, access your assignment:

<https://github.com/MCUT-AI-Workshop/Syllabus-of-AI-workshop>

Join the GitHub Student Developer Pack

Verified students receive free GitHub Pro plus thousands of dollars worth of the best real-world tools and training from GitHub Education partners — for free. [Learn more](#)

[Apply](#)

Search or jump to... Pulls Issues Marketplace Explore

You've been invited to the **MCUT-AI-Workshop** organization!

Invited by Haryanto

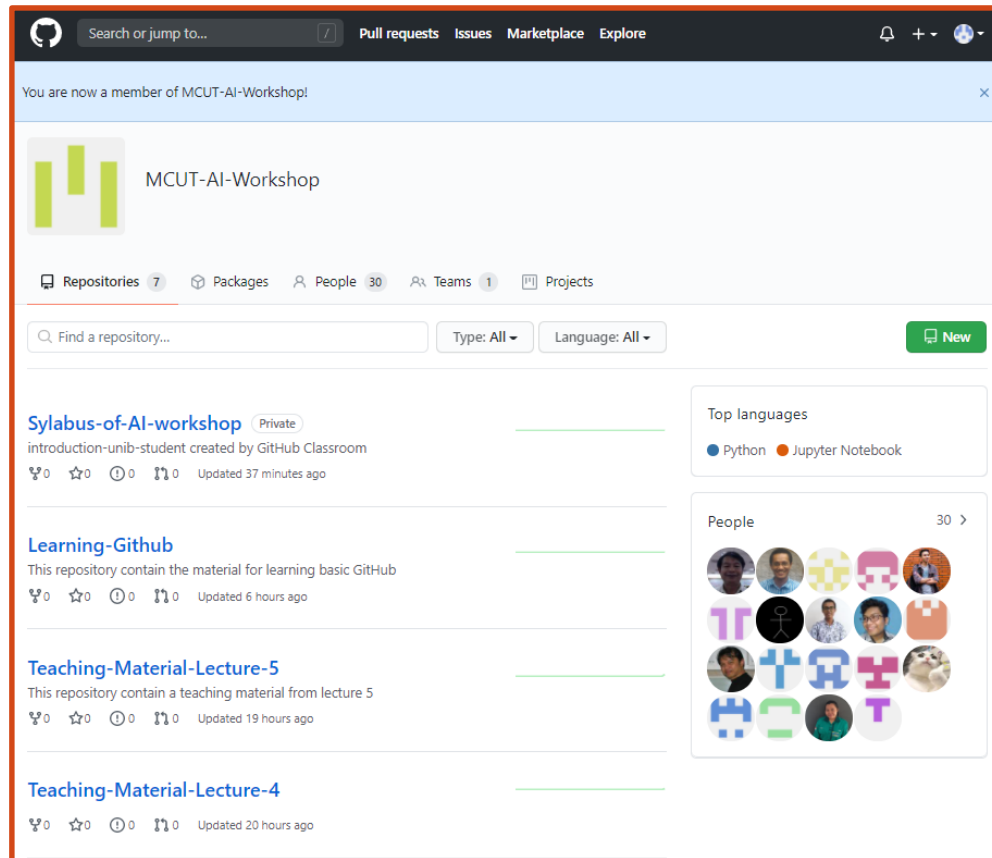
[Join MCUT-AI-Workshop](#) [Decline](#)

Owners of MCUT-AI-Workshop may be able to see:

- If you have [two-factor authentication](#) enabled or not
- Your public profile information
- [Certain activity](#) within this organization
- Country of request origin
- Your access level to repositories within the organization
- Your IP address

[Opt out](#) of future invitations from this organization.

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



You're ready to go —
Unib Student

You accepted the assignment, **Syllabus of AI workshop**.

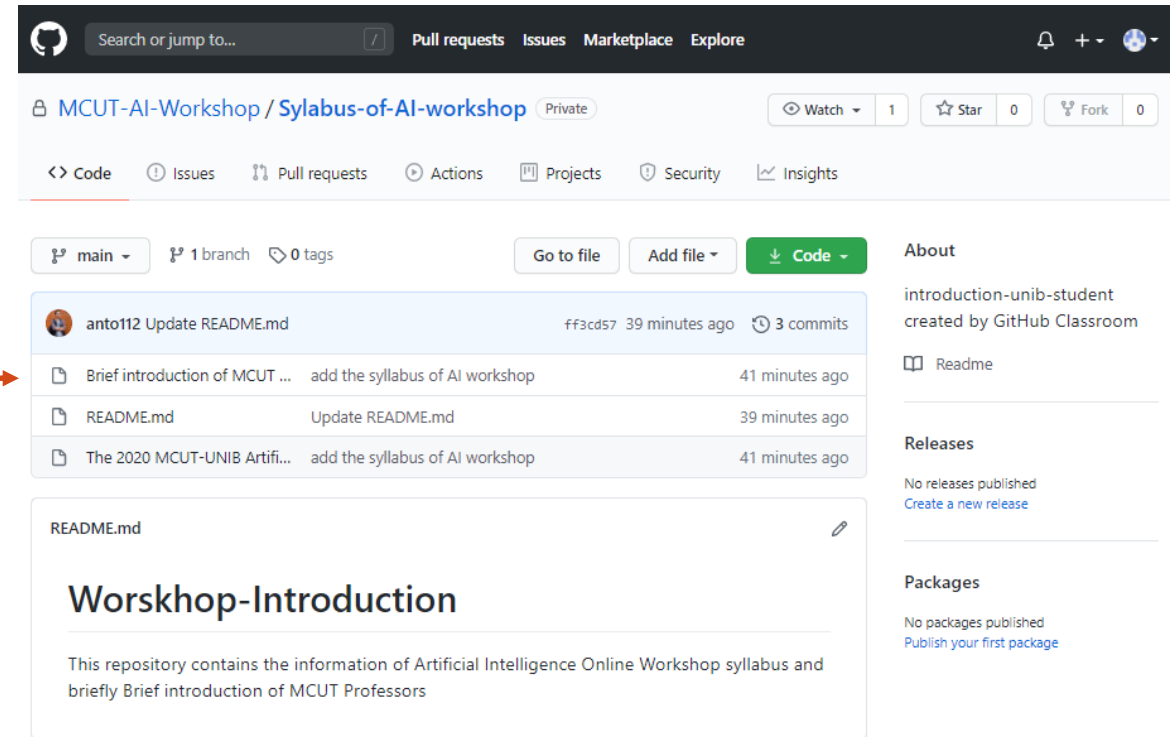
First, accept your invitation to MCUT-AI-Workshop:

✉ <https://github.com/orgs/MCUT-AI-Workshop/invitation>

2

Then, access your assignment:

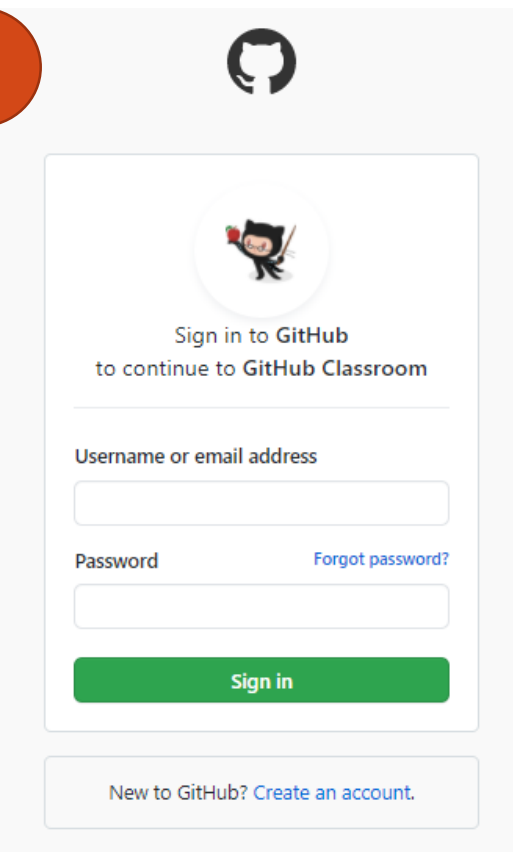
🖥 <https://github.com/MCUT-AI-Workshop/Syllabus-of-AI-workshop>



ACCEPT THE ASSIGNMENT

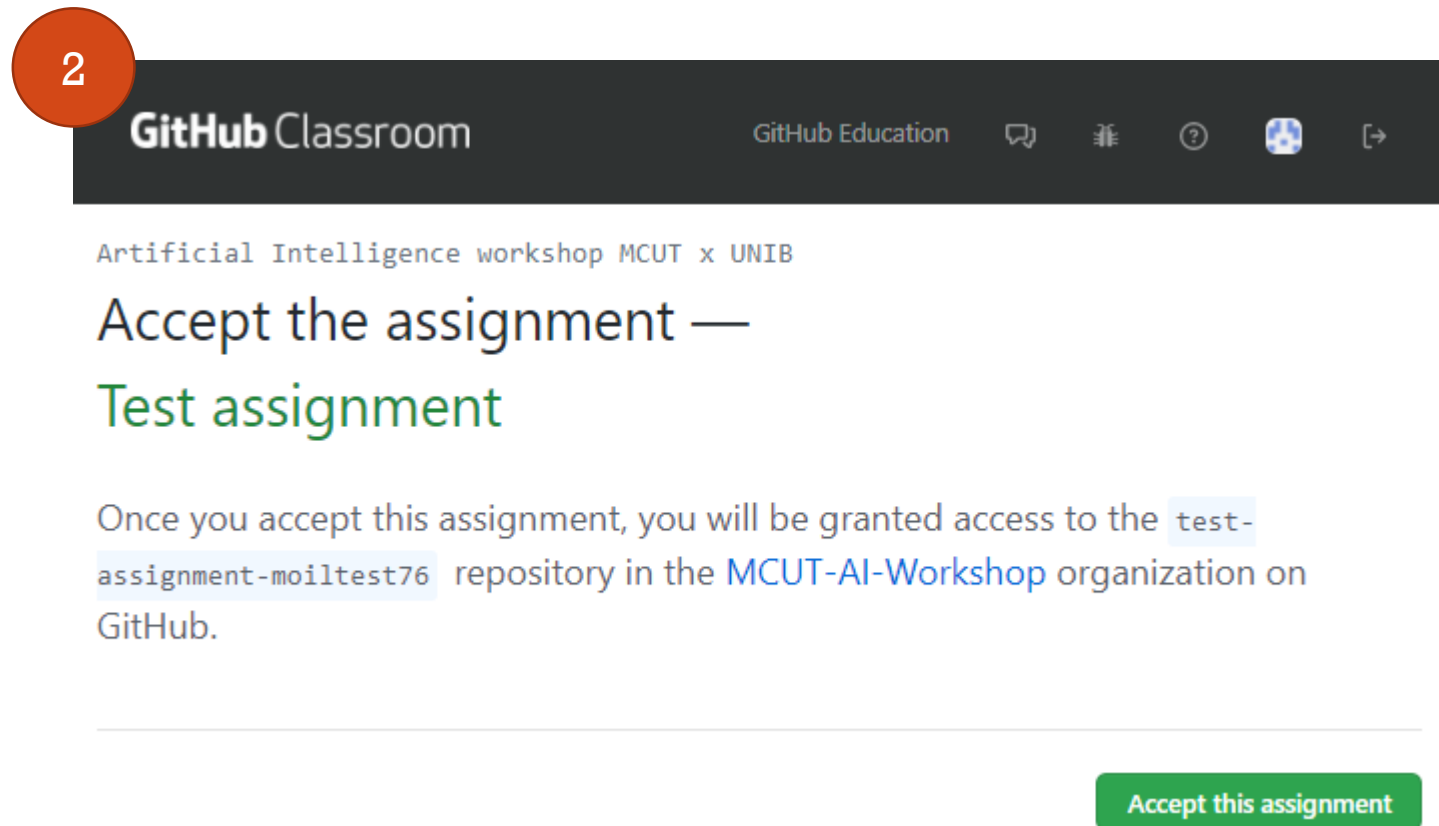
Visit the link provide by Teacher or Teaching assistance. You have to login If you not yet login the GitHub account.

1



The screenshot shows the GitHub Classroom login interface. At the top is the GitHub logo. Below it is a circular profile picture of a GitHub Octocat. The text "Sign in to GitHub to continue to GitHub Classroom" is centered. There are two input fields: "Username or email address" and "Password". A green "Sign in" button is at the bottom. A link "Forgot password?" is next to the password field. At the very bottom, there is a link "New to GitHub? Create an account."

2



The screenshot shows the GitHub Classroom assignment page. At the top is a dark header with the "GitHub Classroom" logo, "GitHub Education" text, and several icons. Below the header, the text "Artificial Intelligence workshop MCUT x UNIB" is displayed. The main heading is "Accept the assignment — Test assignment". Below this, a paragraph states: "Once you accept this assignment, you will be granted access to the test-assignment-moiltest76 repository in the MCUT-AI-Workshop organization on GitHub." At the bottom right, there is a green button labeled "Accept this assignment".

ACCEPT THE ASSIGNMENT

3

GitHub Classroom

GitHub Education



You accepted the assignment, **Test assignment** . We're configuring your repository now. This may take a few minutes to complete. Refresh this page to see updates.

Note: You may receive an email invitation to join [MCUT-AI-Workshop](#) on your behalf. No further action is necessary.

Reload this page if not change !!!

4

GitHub Classroom


GitHub Education



You're ready to go!

You accepted the assignment, **Test assignment**.

Your assignment repository has been created:

 <https://github.com/MCUT-AI-Workshop/test-assignment-moiltest76>

We've configured the repository associated with this assignment (update).

Note: You may receive an email invitation to join [MCUT-AI-Workshop](#) on your behalf. No further action is necessary.

October 12, 2020

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ACCEPT THE ASSIGNMENT

5

The screenshot shows a GitHub repository page for 'MCUT-AI-Workshop / test-assignment-moiltest76'. The repository is private and has 1 watch, 0 stars, and 0 forks. The main content area shows a commit by 'anto112' adding a file 'README.md' on August 10. The commit message is 'Answer the question below correctly!'. Below the commit, the content of 'README.md' is displayed, showing a question: 'A. Multiple choice questions: (5 x 5%)'. The right sidebar contains sections for 'About' (test-assignment-moiltest76 created by GitHub Classroom), 'Releases' (No releases published), and 'Packages'.

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

ACCEPT THE ASSIGNMENT

The screenshot shows the GitHub interface for a repository named 'MCUT-AI-Workshop / test-assignment-moiltest76'. The repository is private and has 1 watch, 0 stars, and 0 forks. The 'Code' tab is selected, showing a file named 'README.md' with the content 'Answer the question below correctly!' and 'A. Multiple choice questions: (5 x 5%)'. A dropdown menu is open for the 'Code' button, showing options: 'Clone' (with sub-options: HTTPS, SSH, GitHub CLI, and a 'New' button), 'Open with GitHub Desktop', and 'Download ZIP'. A red box labeled 'A' highlights the 'Add file' button, and a red box labeled 'B' highlights the 'Code' button.

Search or jump to... / Pulls Issues Marketplace Explore

MCUT-AI-Workshop / test-assignment-moiltest76 Private Watch 1 Star 0 Fork 0

Code Issues Pull requests Actions Projects Security Insights

master

Go to file Add file Code

Clone

HTTPS SSH GitHub CLI New

https://github.com/MCUT-AI-Workshop/te

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

test-assignment-moiltest76 created by GitHub Classroom

Readme

Releases

No releases published Create a new release

Packages

README.md

Answer the question below correctly!

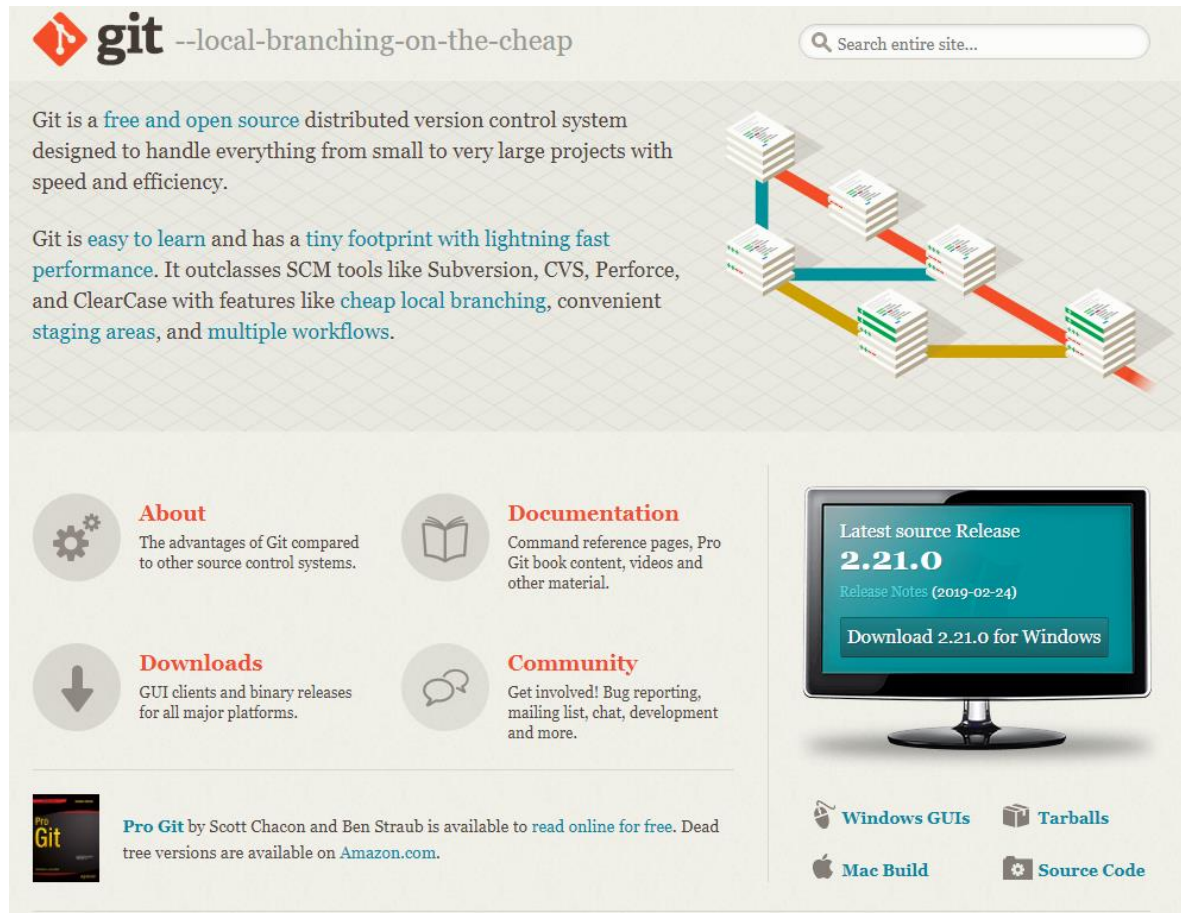
A. Multiple choice questions: (5 x 5%)

A. Upload your answer directly

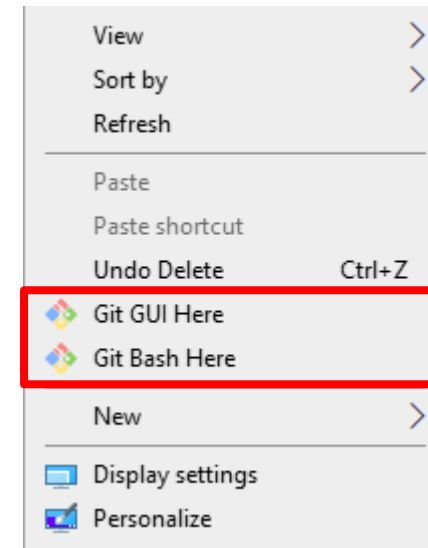
B. Download zip or clone using URL server

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.



git installation was successful !

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]

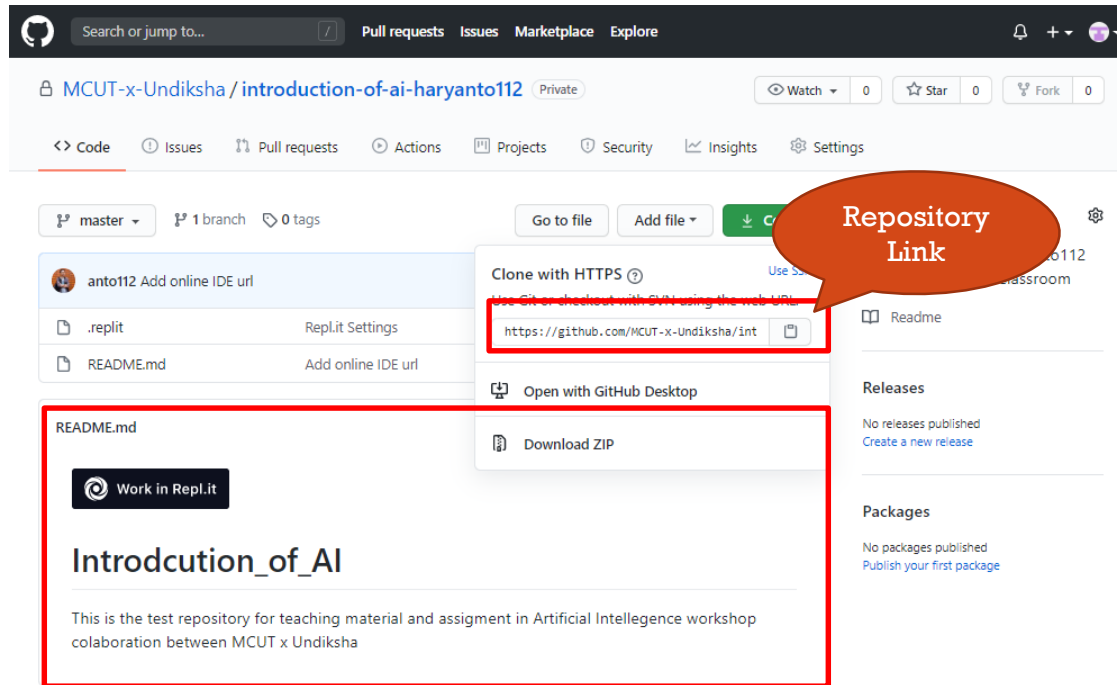
- ❖ **git push** *(This command sends the committed changes of master branch to your remote repository)*

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]

DOWNLOAD ASSIGNMENT USING GIT



Note: Original content file in README.md

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

```
MINGW64:/c/Users/anto/Documents/Git
anto@Anto-Computer MINGW64 ~/Documents/Git
$ git clone https://github.com/MCUT-x-Undiksha/introduction-of-ai-haryanto112.git
Cloning into 'introduction-of-ai-haryanto112'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 12 (delta 1), reused 5 (delta 0), pack-reused 0
Unpacking objects: 100% (12/12), done.

anto@Anto-Computer MINGW64 ~/Documents/Git
$
```

Then the file will download to your PC

This PC > Documents > Git > introduction-of-ai-haryanto112 >				
Name	Date modified	Type	Size	
.git	8/5/2020 12:59 PM	File folder		
.replit	8/5/2020 12:59 PM	REPLIT File		1 KB
README	8/5/2020 12:59 PM	Markdown File		1 KB

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.

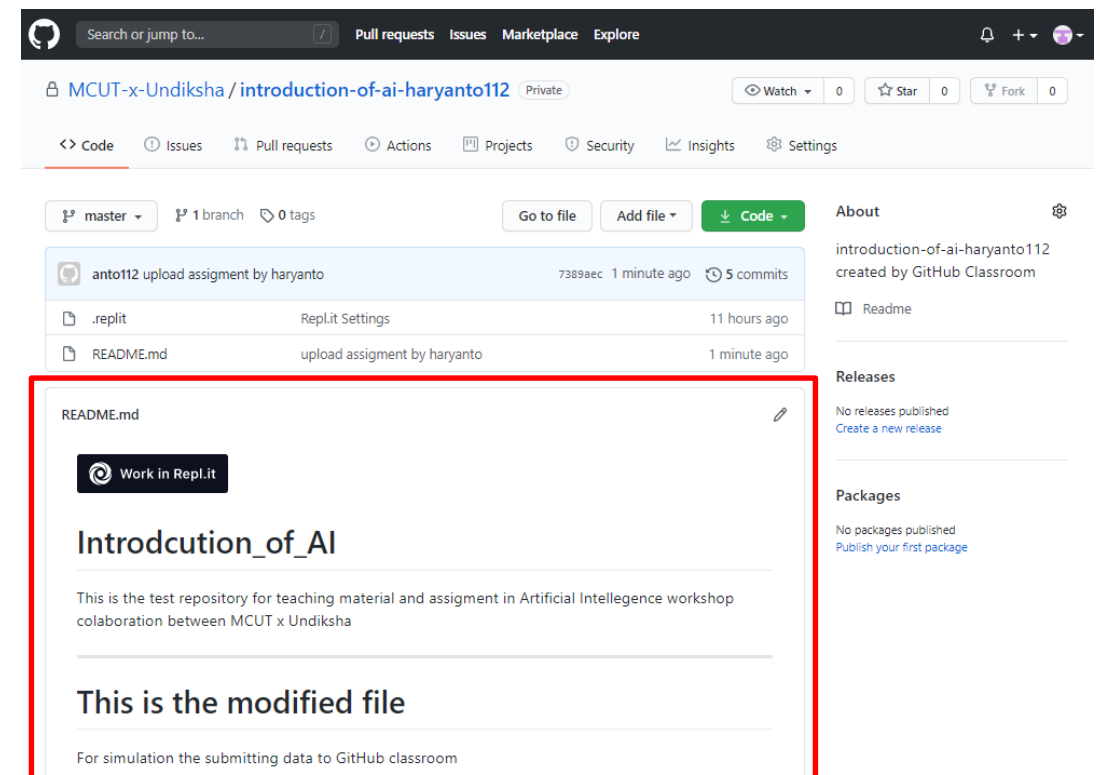
```
MINGW64~/c/Users/anto/Documents/Git/introduction-of-ai-haryanto112
anto@Anto-Computer MINGW64 ~/Documents/Git/introduction-of-ai-haryanto112 (master)
$ git add .

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:

Email: m07158031@o365.mcut.edu.tw

Line_id: Haryanto_96