Connect to GitHub

Contents

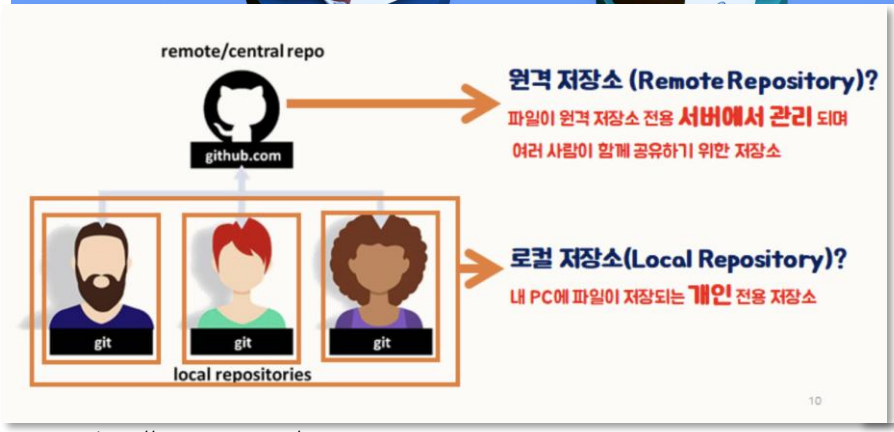
A) What is GitHub ?

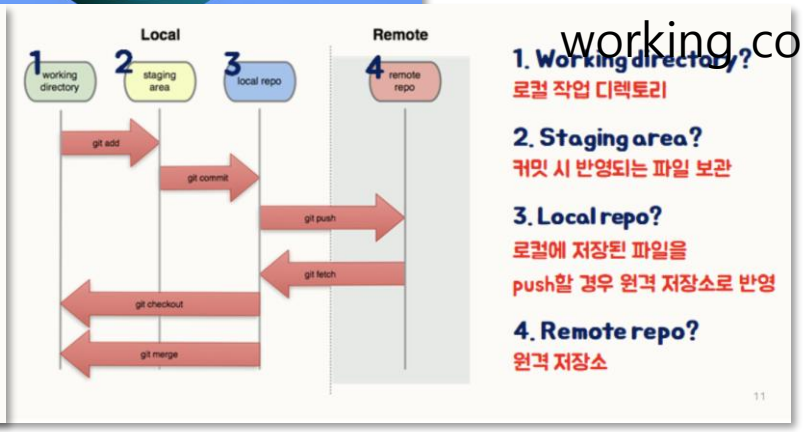
: Most used by

software developers One of **the platforms for configuration management (the process of tracking and controlling changes)**

GitHub Basics function

1. Remote code repository
2. Issue Tracking
3. Track and manage project progress
4. Manage code change history
5. Useful for developers working concurrently





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Why GitHub Do you use it ?

by millions of developers around the world to host and share code and collaborate on projects .

Provides features and tools to help developers manage and track their code, including version control , bug tracking , and project management .

GitHub services

GitHub Repository

GitHub is a representative service used by developers to store program source code .

GitHub Actions

A DevOps pipeline automation tool that enables build , test , and deployment using continuous integration (CI) and continuous delivery (CD) .

GitHub Packages

A service with the concept of an image registry that can store Docker containers or program packages (NPM, NuGet, Gem, Maven/Gradle) .

GitHub Advanced Security (GHAS)

Dependabot finds vulnerabilities in code packages And a service that provides various security functions ,

GitHub Projects

A service that can help you manage projects, like Atlassian JIRA .

GitHub Discussions

a question-and-answer format, such as Stack Overflow or Quora .

GitHub Copilot

A generative AI service that uses machine learning to automatically understand what developers are writing in code and write the rest for them .

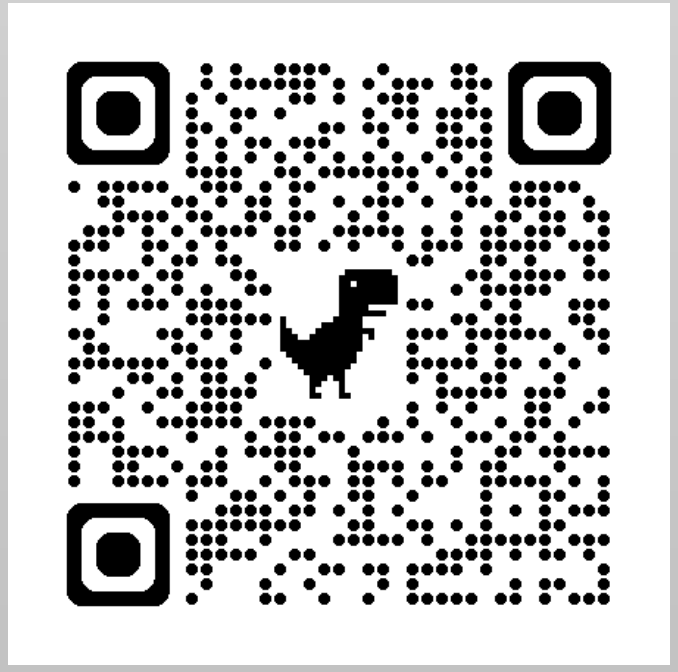
GitHub Codespace

An internet-based code editor IDE that allows development in a web browser without separate downloads or installations within the GitHub Repository .

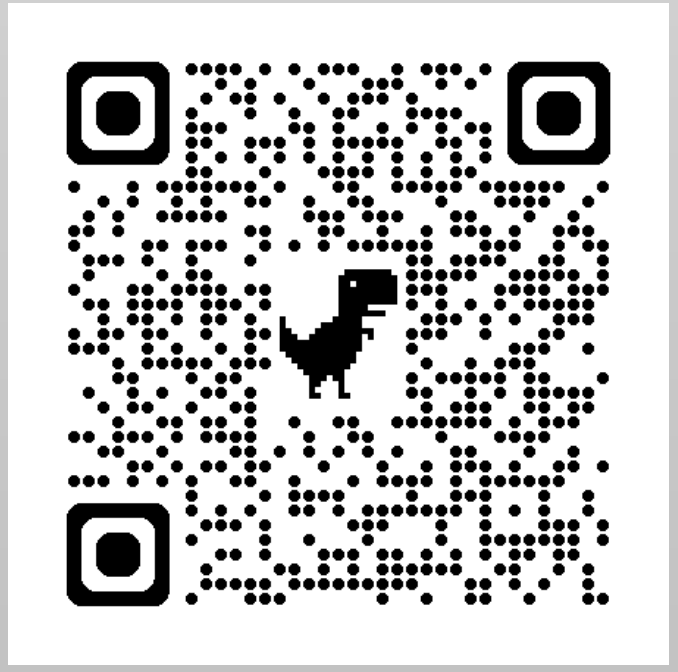
A) What is GitHub ?

"Git이 영상을 찍는 앱이라면, GitHub는 유튜브 라는 플랫폼이다 라고 생각하면 편하다."
- 얄팍한 코딩사전

GitHub usage video



https://www.youtube.com/watch?v=FXDjmsiv8fI&t=212s



https://www.youtube.com/watch?v=Fley6IFhlC8

※ You must register as a member to use GitHub . ※

Please try registering as a member .

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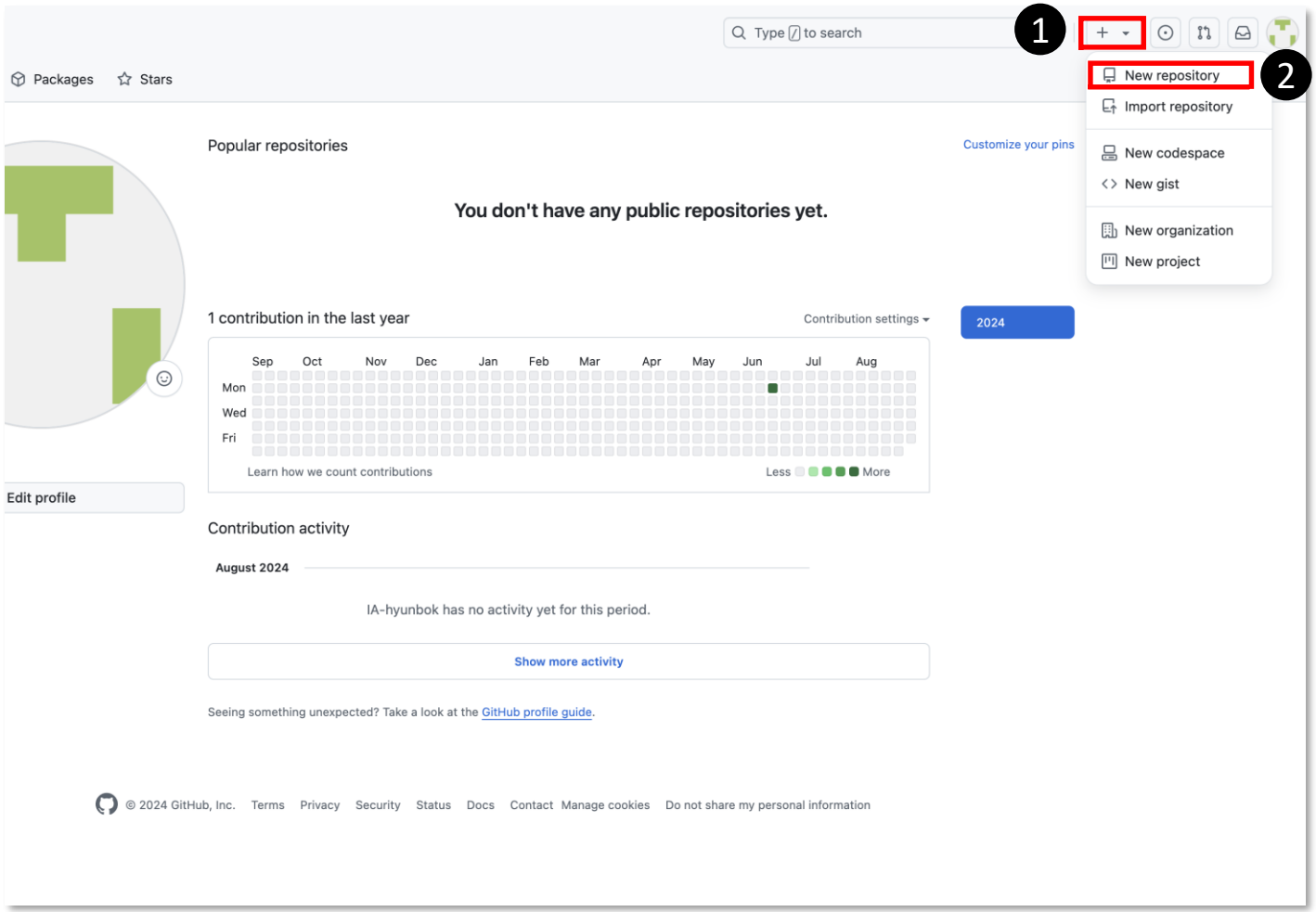
B) How to use GitHub

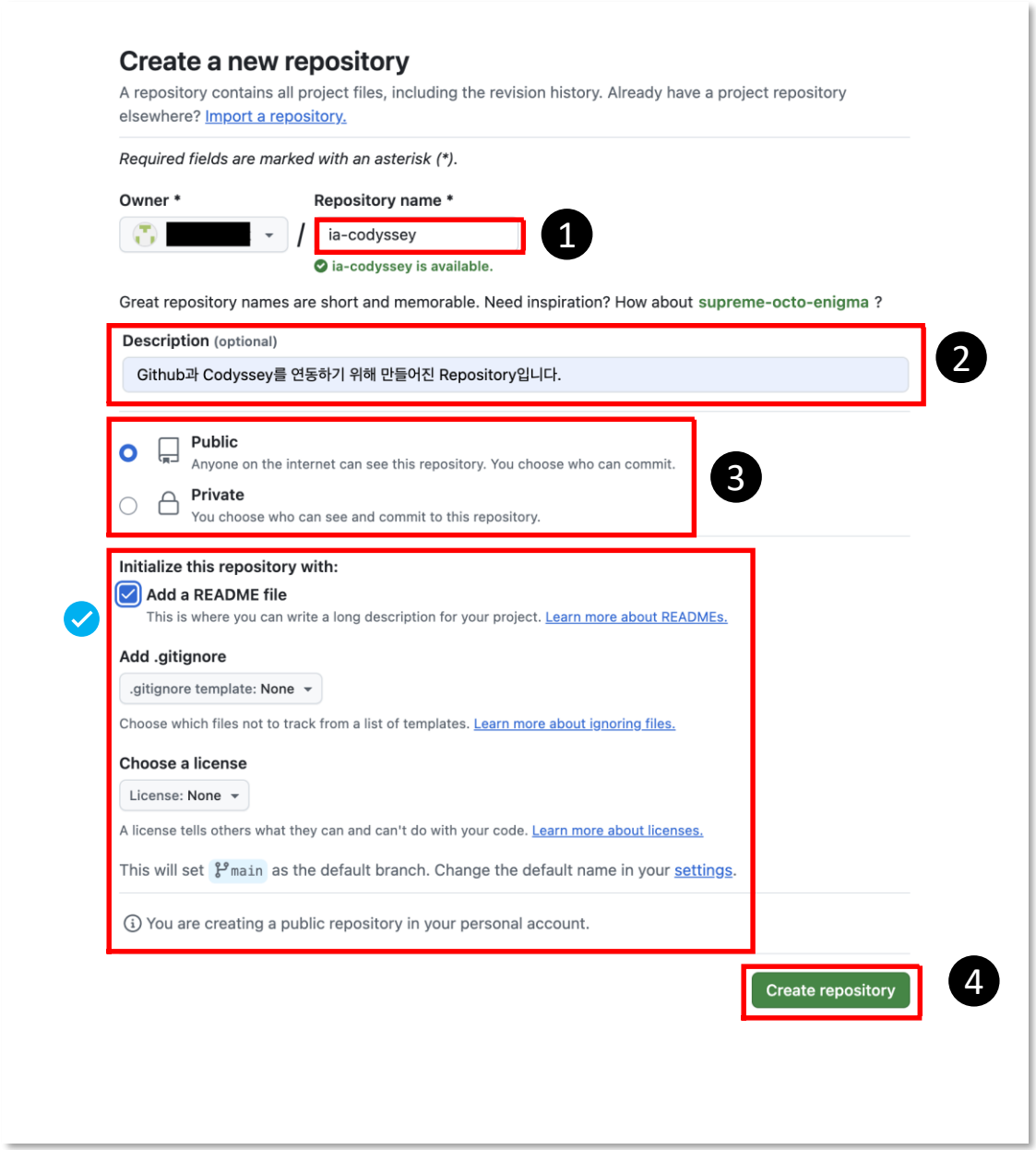
1) How to create a repository



1. First, go to https://github.com . This is your personal **GitHub.** After logging in to your account, click **[+] in the upper right corner** Click the drop-down button .
2. Click [new repository] .

B) How to use GitHub

1) How to create a repository

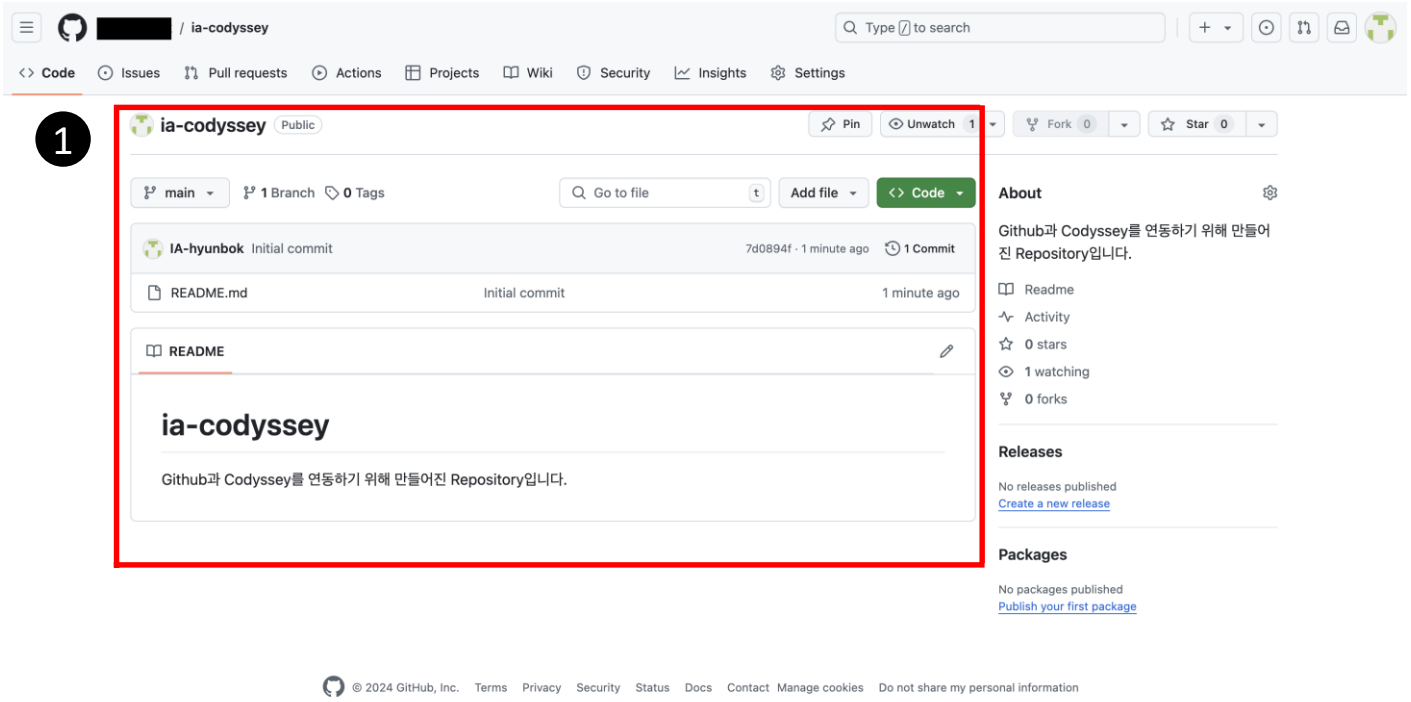


1. Please enter the name of the repository .
2. is a field to describe what kind of repository it is . (Optional)
3. You can set whether the repository is public to other users .
   " Codyssey To use the platform, you must " You must select **[Public]** .
4. every Once the setup is complete, click **[Create repository]** When you click the button, the Repository is finally created.

This section sets other information about the repository .
Study it yourself .

B) How to use GitHub

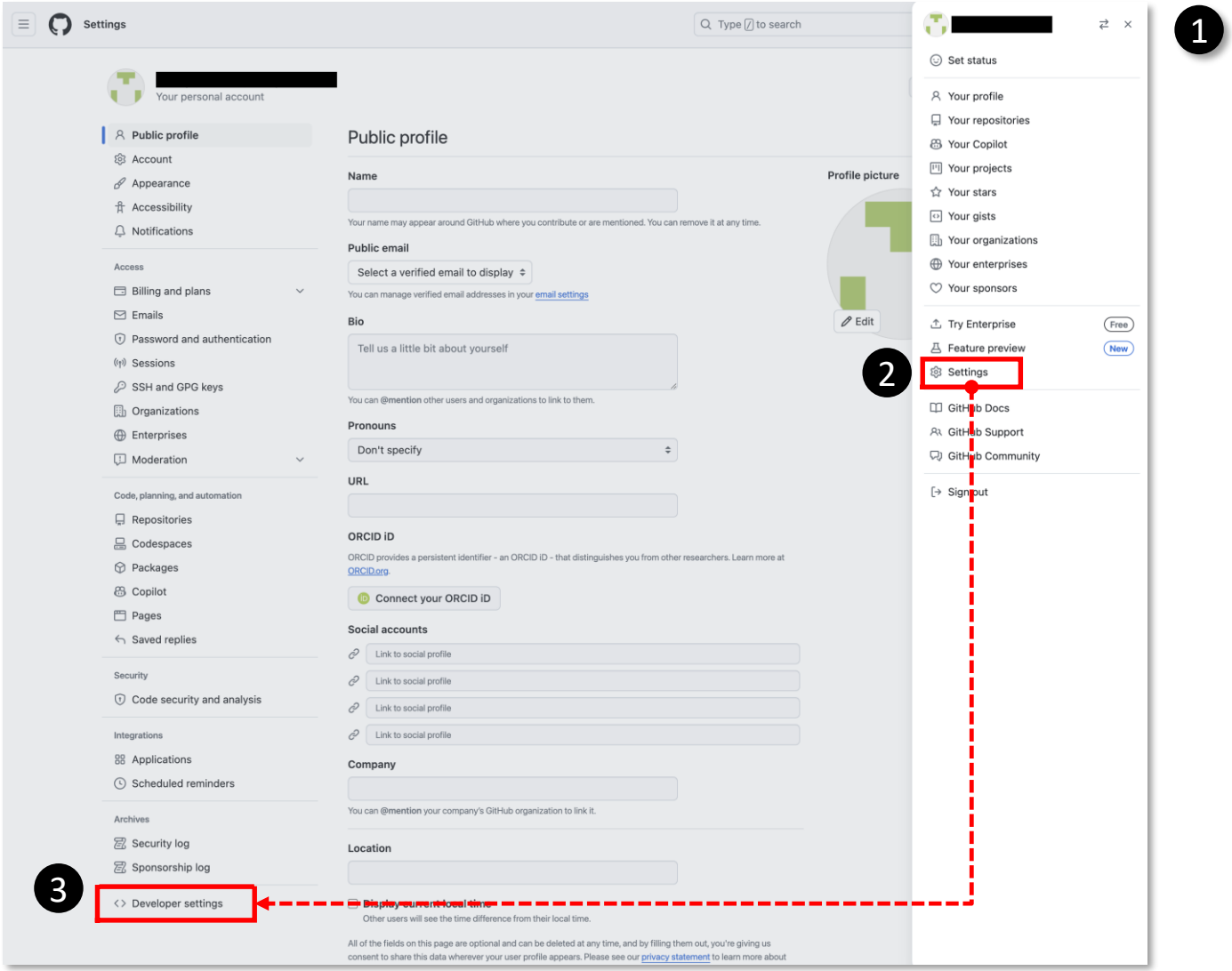
1) How to create a repository



1 You can check the created Repository .

C) Connect with

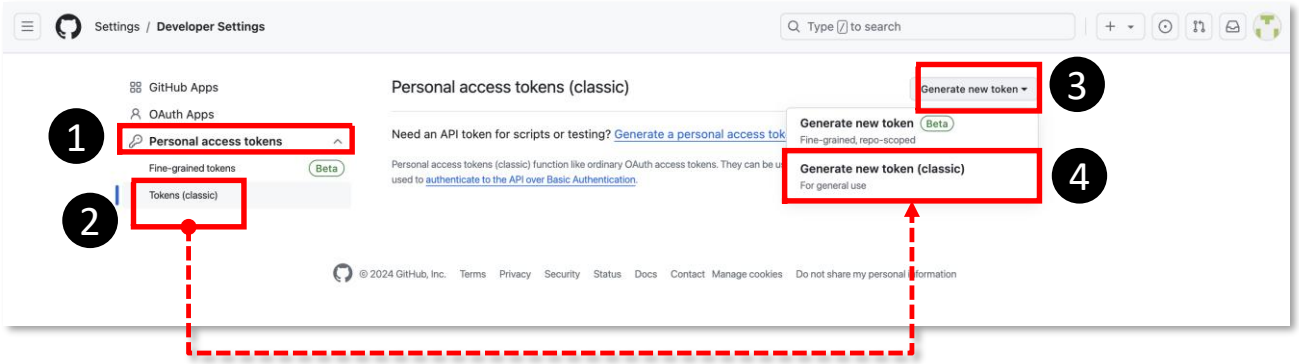
1) You can obtain a token to link Codyssey and GitHub .



1. First, go to https://github.com . This is your personal **GitHub.** After logging in to your account, click on your profile in the top right corner .
2. **[Settings]** Click the button . When you click it, you will be taken to a screen like the picture.
3. **[Developer settings]** at the very bottom of the screen Click the button .

C) Connect with

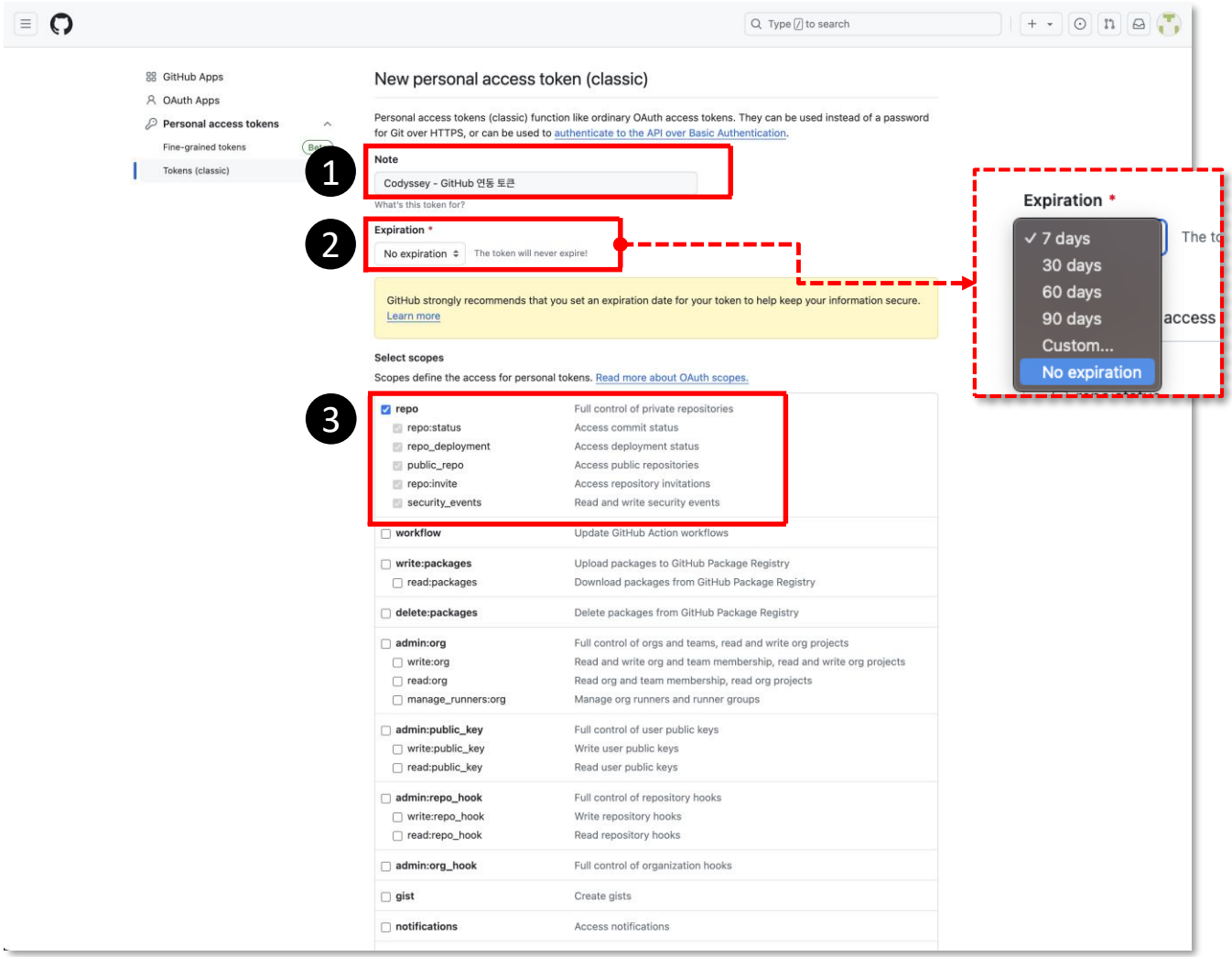
2) You can receive a token to connect with GitHub .



1. Click **[Personal access tokens]** .
2. Click **[Tokens (classic)]** .
3. Click **[Generate new token]** to open a drop-down button .
4. When you click [Generate new token **(classic)], you will be taken to the page where you can issue a** GitHub token .

C) Connect with

2) You can receive a token to link with GitHub .

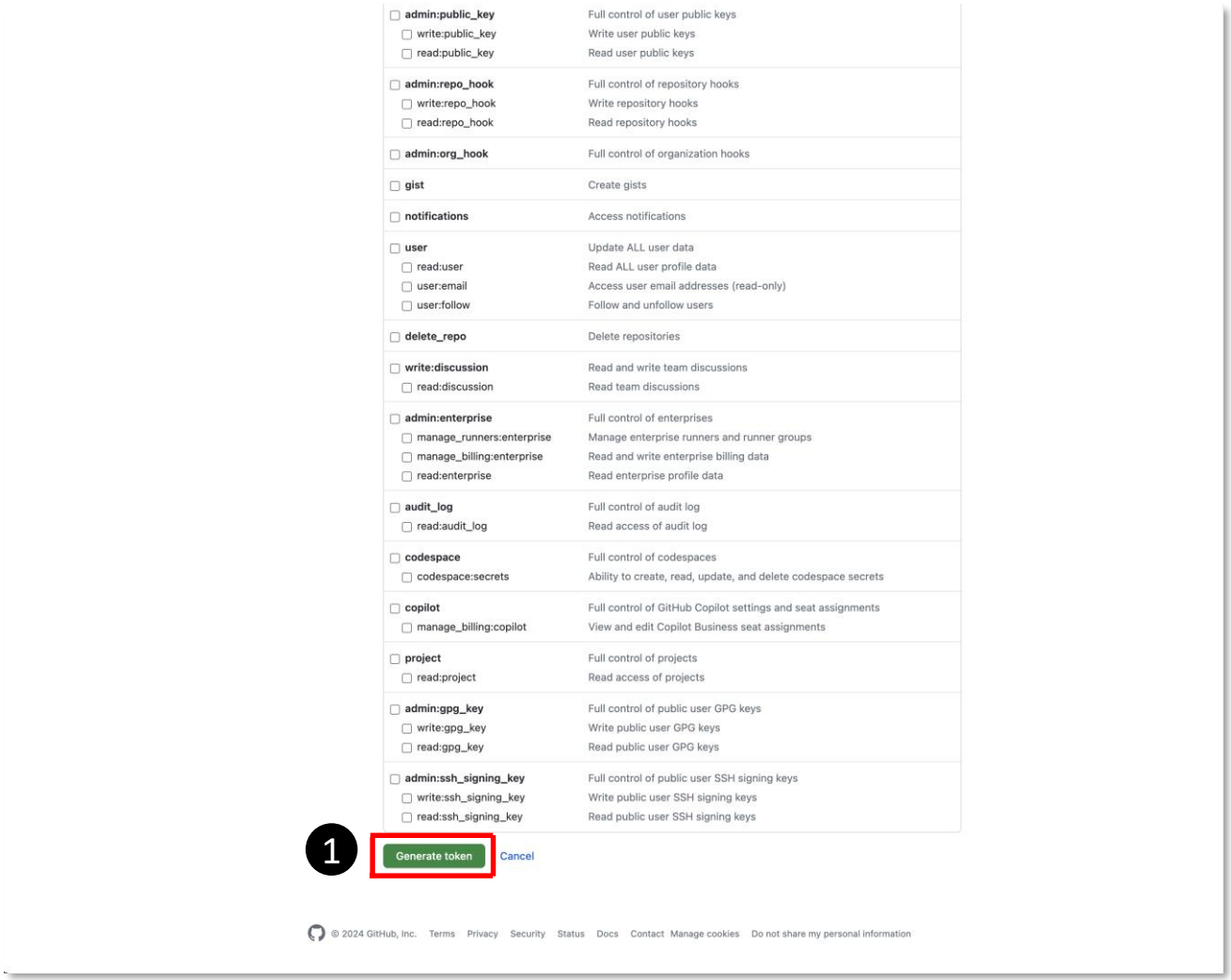


1. **[Note]** Please write a title for the token .
   Ex) *Codyssey - GitHub integration token*
2. **[Expiration]** is the field to set the expiration date for the token .
   Set the expiration date **to No Expiration .**
3. **[repo] After checking the checkbox,** go to the bottom of the page .

★ If there is a limit on the expiration date, **Codyssey** There may be disadvantages when using **the platform** .

C) Connect with

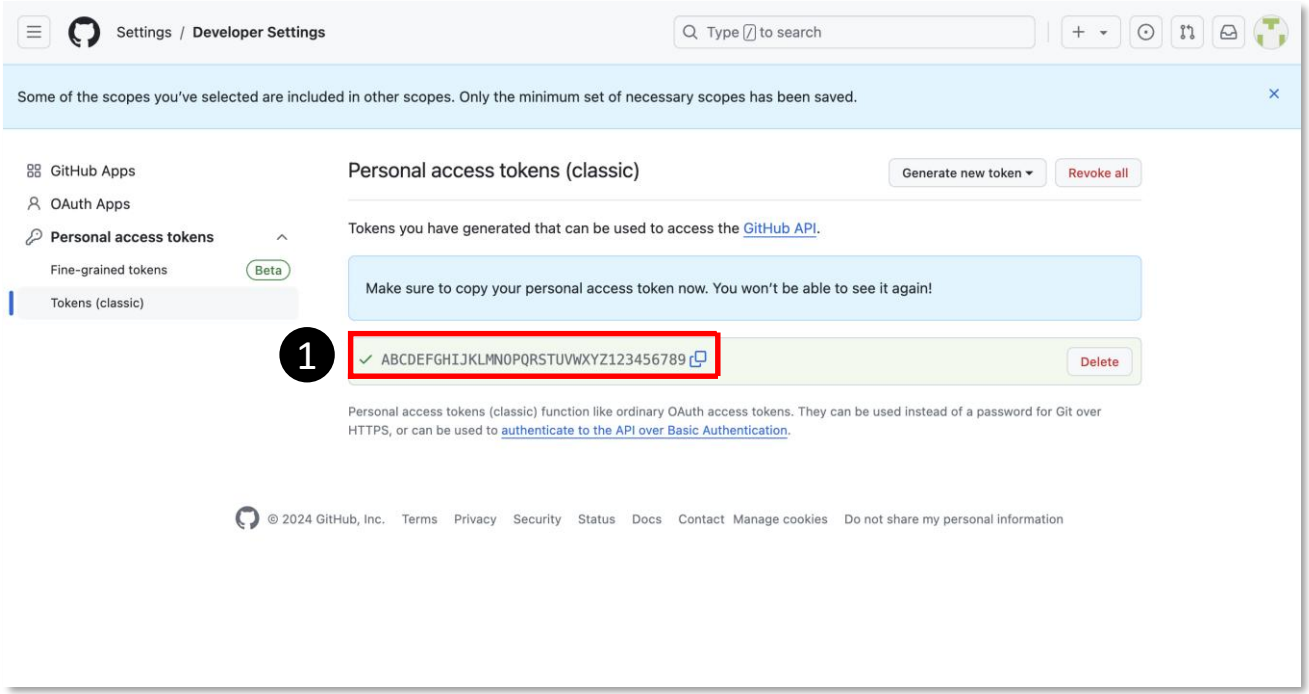
2) You can receive a token to link with GitHub .



1 After moving to the bottom of the page **[Generate token]** Click the button to issue a token .

C) Connect with

2) You can receive a token to connect with GitHub .

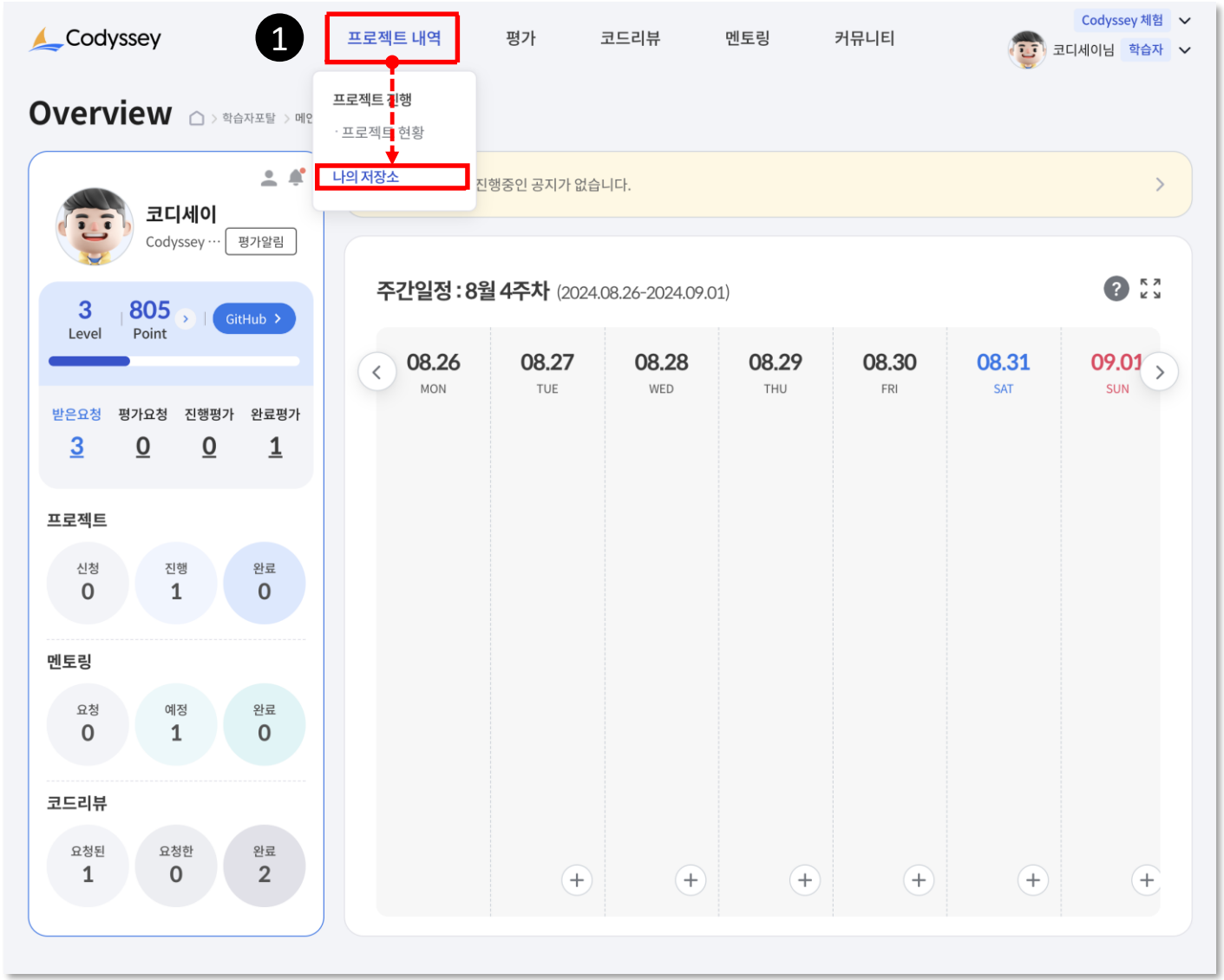


1 Copy **[Token] and** Codyssey Go to the platform .

★ be displayed once, so it is recommended that you make a note of it or set it up right away .

C) Connect with

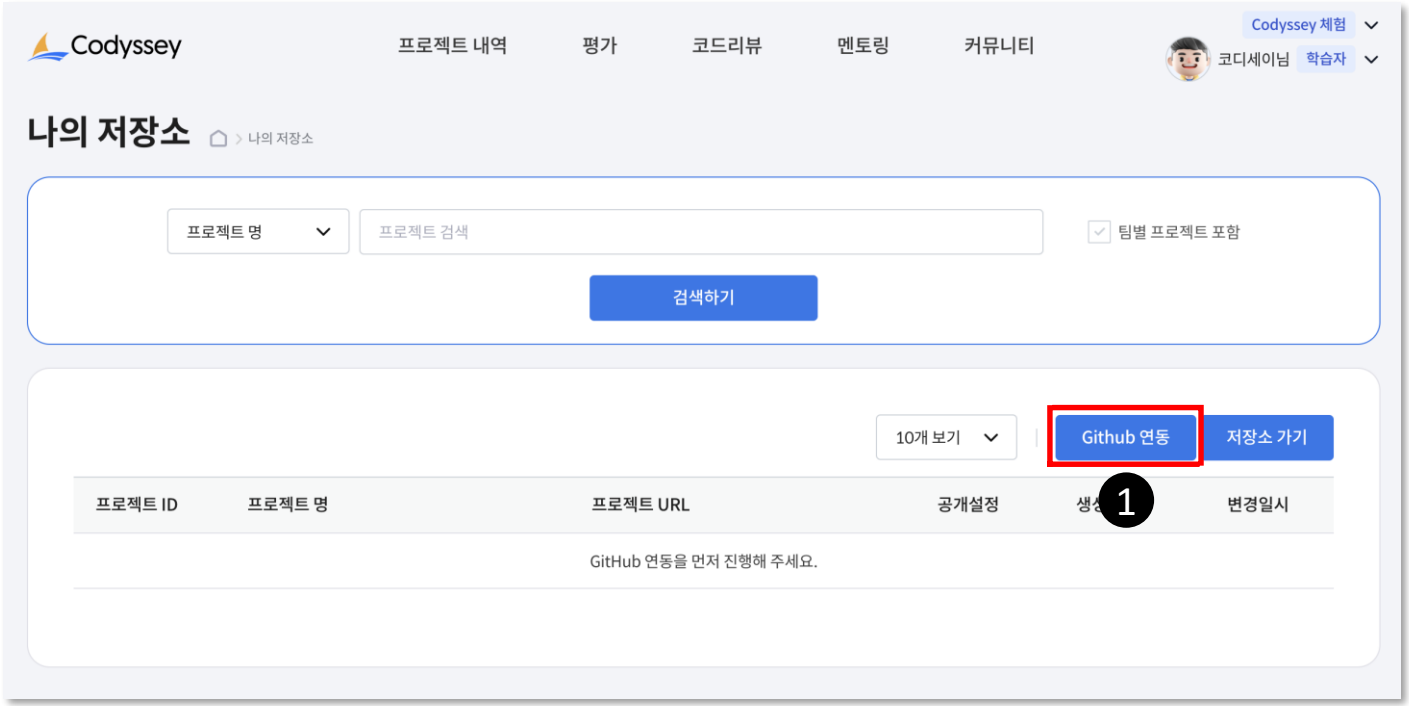
3) You can check GitHub connection and repository in **[My Repository]** .



1 Project History > Go to My Repository .

C) Connect with

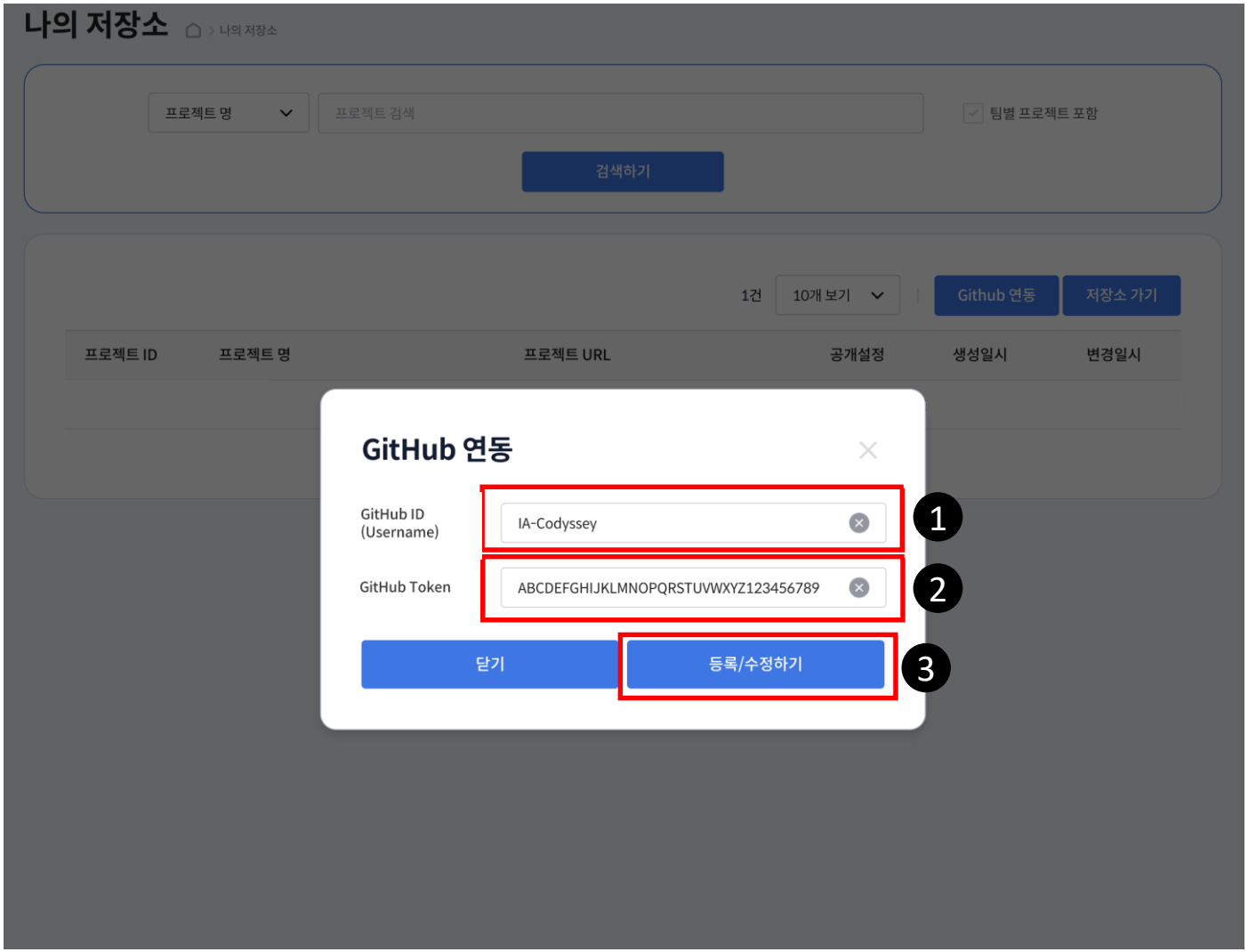
3) You can check GitHub connection and repository in **[My Repository]** .



1 **[GitHub Link] button will connect** the learner's personal GitHub account to You can link . When you click the button, a pop-up window will appear allowing you to link GitHub .

C) Connect with

3) You can check GitHub connection and repository in **[My Repository]** .



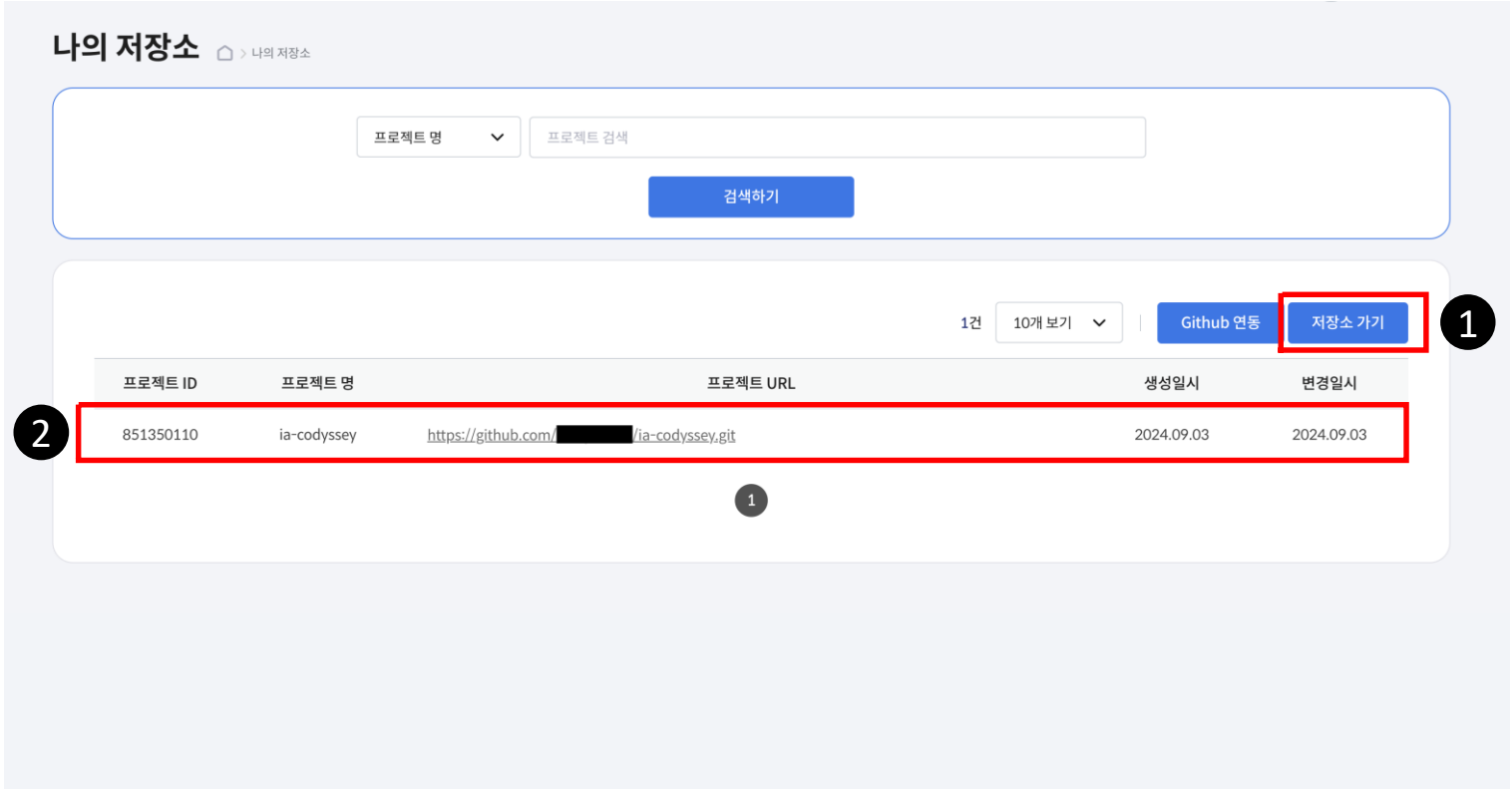
1. Please enter your individual GitHub ID .
2. Please enter the **[Token]** copied from GitHub .
3. **[Register / Edit]** You can connect to GitHub by clicking the button .

★ **When linking with GitHub Note**

- ✓ The **GitHub ID** must be the learner's own account .
- ✓ You can check your **GitHub address in** the Learner Portal [My Repository] .

C) Connect with

4) You can see a list of my Git repositories .



1. Clicking the **[Go to Repository] button** will take you to the learner's personal GitHub .
2. You can check the list of **[GitHub repositories]** .

THANK YOU

Code your Journey