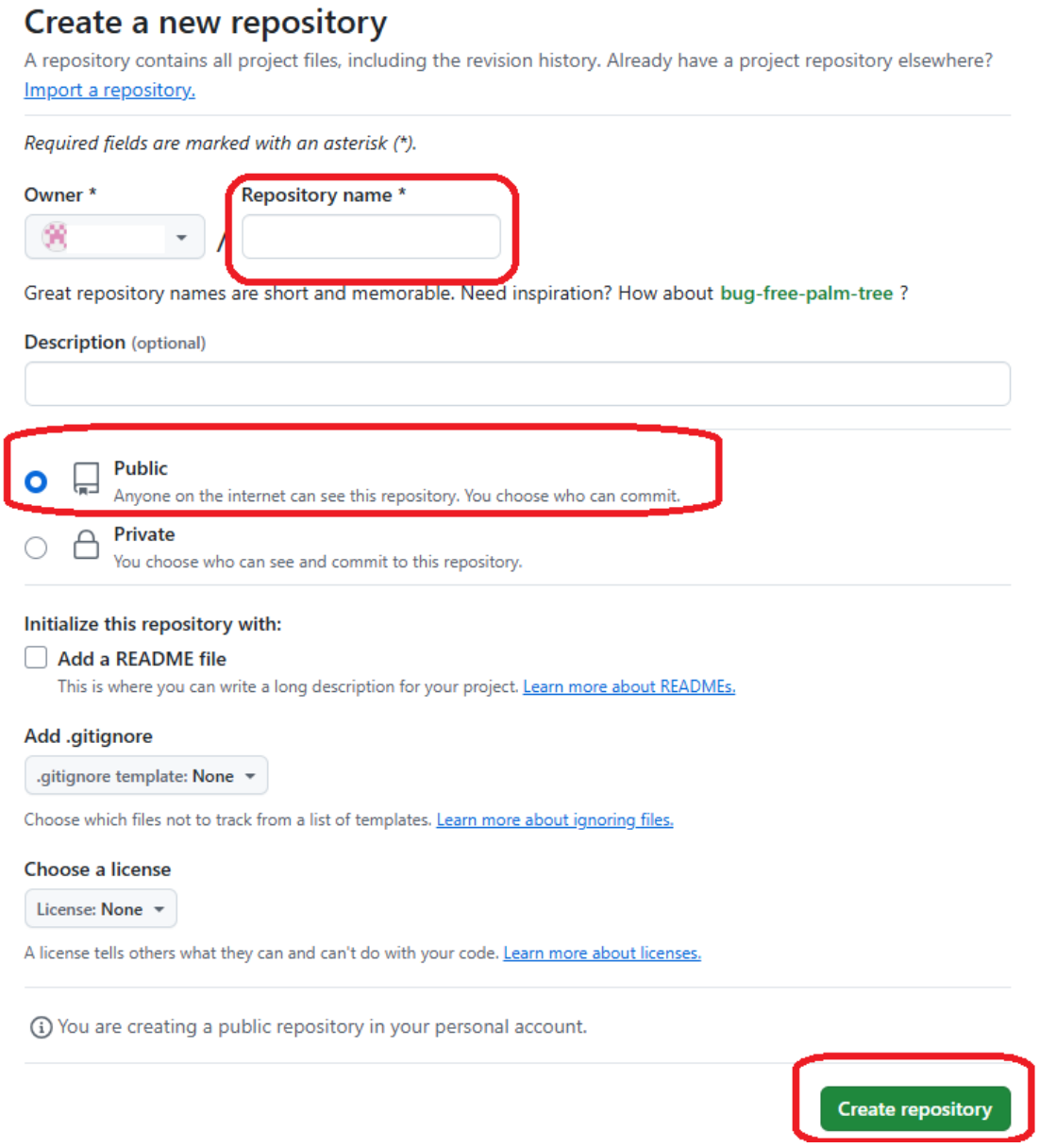
# 6. 깃허브

1. **https://github.com/ 에서 무료회원으로 가입하기**
2. 우측 상단의 **[+] 확장메뉴에서 [New Repository] 선택**




**위에 설정한 주소형식 : https://github.com/아이디명/저장소명.git

### 3. 원격저장소(깃허브)와 로컬저장소(나의 PC)연결하기

git remote add 원격저장소별칭(객체명) 원격저장소주소

```
ikaro@chocosoo MINGW64 /c/ikarosalaLocal (main)
$ git remote add hub https://github.com/ikarosala7/ika.git
```

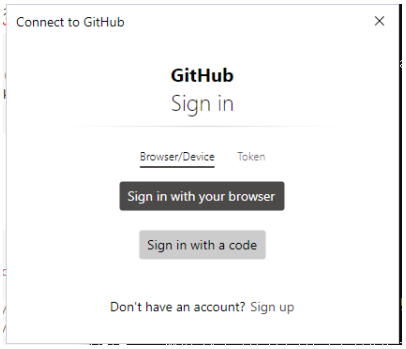
▼ **원격저장소에 연결되어 있는지 확인**

```
ikaro@chocosoo MINGW64 /c/ikarosalaLocal (main)
$ git remote -v
hub     https://github.com/ikarosala7/ika.git (fetch)
hub     https://github.com/ikarosala7/ika.git (push)
```

▼ **원격 저장소에 데이터 올리기(반드시 커밋한 파일만 가능, 반드시 원격저장소와 버전관리가 일치해야 가능)**

```
형식 : git push -u 원격저장소별칭(객체)명 원격저장소의브랜치명


ikaro@chocosoo MINGW64 /c/ikarosalaLocal (main)
$ git push -u hub main
```




**[ git push -u 저장소별칭 브랜치명 ] 명령 실행하면 왼쪽 창이 뜸(시간이 조금 걸리므로 기다릴 것)**

**[ Sign in with your browser ] 클릭하여 브라우저 창이 뜨면 가입한 깃허브 로그인하면 됨.**

그러면 하단의 내용들이 나옴.

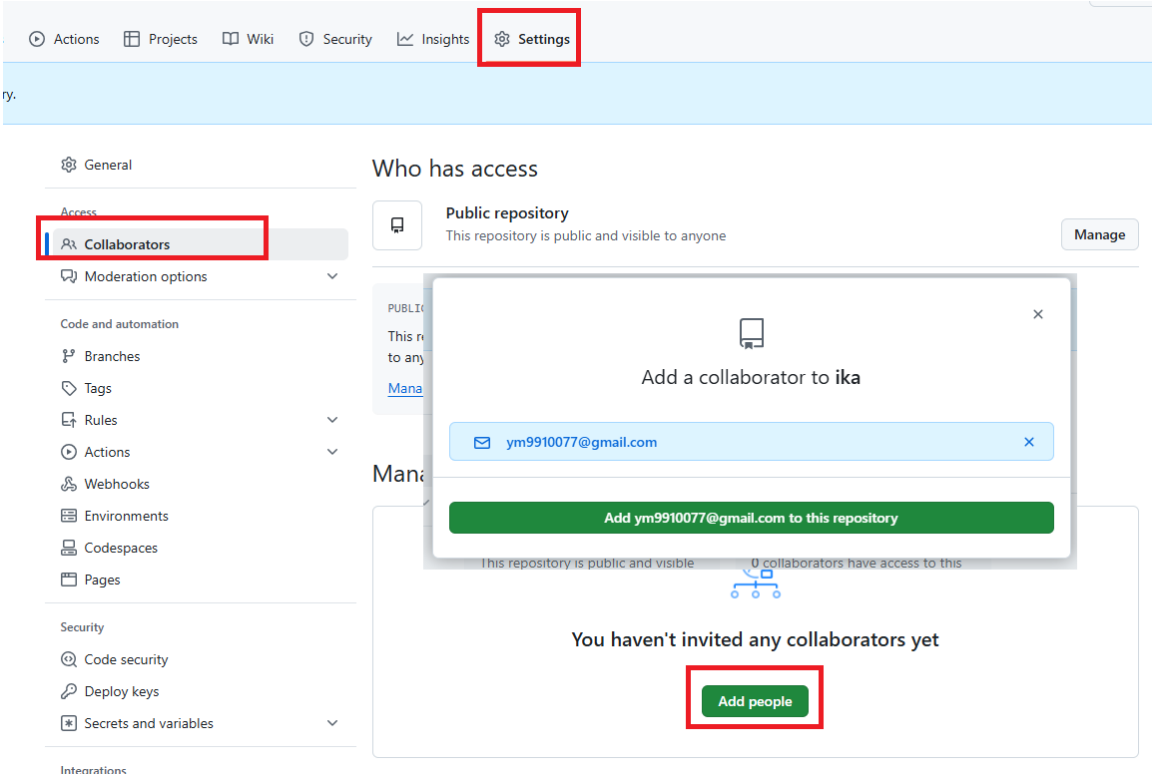
```
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 205 bytes | 68.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ikarosala7/ika.git
 * [new branch]      main -> main
branch 'main' set up to track 'hub/main'.
```

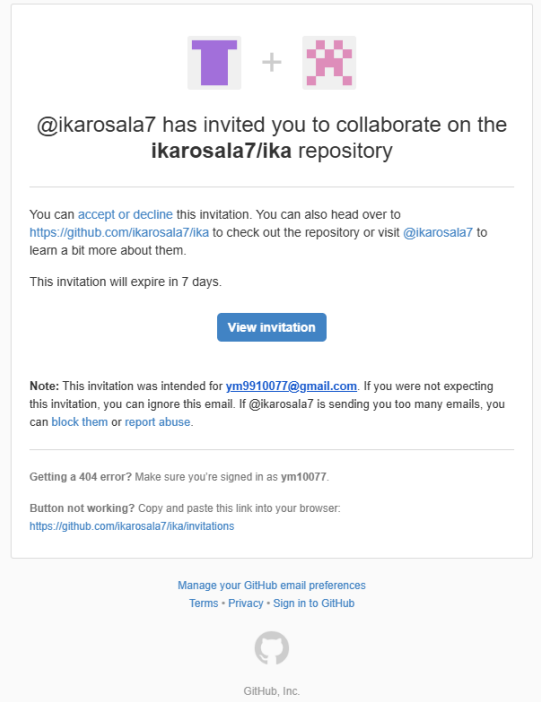
차후에는 git  push로만 가능. 단 원격저장소의 main브랜치로 올라감

▼ 강제 push하기

```
git push -f 원격저장소명 브랜치명
```

▼ **git 협업하기**





@ikarosala7 has invited you to collaborate on the **ikarosala7/ika** repository

You can accept or decline this invitation. You can also head over to https://github.com/ikarosala7/ika to check out the repository or visit @ikarosala7 to learn a bit more about them.

This invitation will expire in 7 days.

View invitation

**Note:** This invitation was intended for ym9910077@gmail.com. If you were not expecting this invitation, you can ignore this email. If @ikarosala7 is sending you too many emails, you can block them or report abuse.

**Getting a 404 error?** Make sure you're signed in as **ym10077**.

**Button not working?** Copy and paste this link into your browser: https://github.com/ikarosala7/ika/invitations

Manage your GitHub email preferences
Terms • Privacy • Sign in to GitHub

GitHub, Inc.

**메일에서 View invitation을 눌러 수락한 뒤 자신의 로컬저장소에 원격저장소 파일을 불러오거나 업로드 할 수 있다.**

### ▼ 원격저장소의 데이터를 로컬 저장소로 불러오기

```
>>로컬저장소만들기
ikaro@chocosoo MINGW64 /c/ymLocal
$ git init
Initialized empty Git repository in C:/ymLocal/.git/

>>로컬저장소 사용자 설정하기
ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git config user.name "ym10077"

ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git config user.email "ym9910077@gmail.com"

>>초대받은 원격저장소 연결하기
ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git remote add hub https://github.com/ikarosala7/ika.git

ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git remote -v
```

```
hub     https://github.com/ikarosala7/ika.git (fetch)
hub     https://github.com/ikarosala7/ika.git (push)

>>원격저장소의 데이터 불러오기
ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git pull hub main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused
Unpacking objects: 100% (3/3), 185 bytes | 7.00 KiB/s, don
From https://github.com/ikarosala7/ika
 * branch            main       -> FETCH_HEAD
 * [new branch]      main       -> hub/main

ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git log
commit 699ebce75e8019c9dcb20bafea598d4912874f54 (HEAD -> m
Author: ikarosala7 <ikarosala@gmail.com>
Date:   Mon Oct 28 05:26:19 2024 +0900

    m1.0
```

### ▼ 원격저장소 데이터 복제하기

```
ikaro@chocosoo MINGW64 /c/ymLocal (main)
$ git clone https://github.com/ikarosala7/ika.git hub
Cloning into 'hub'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused
Receiving objects: 100% (3/3), done.
```