

2022 FALL OS Project 0 Help Document



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- **Github repository**
- **#0 Compiling the Kernel & Running the emulator**
- **#1 Overview**

- 과제 **#0** Set up development environment

기한: 09/17 midnight

방법: etl 제출

- 과제 **#1**

기한: 10/08 midnight

방법: 팀별 repository에 proj1 branch 생성 / 발표자료는 대표 한 명이
etl 제출

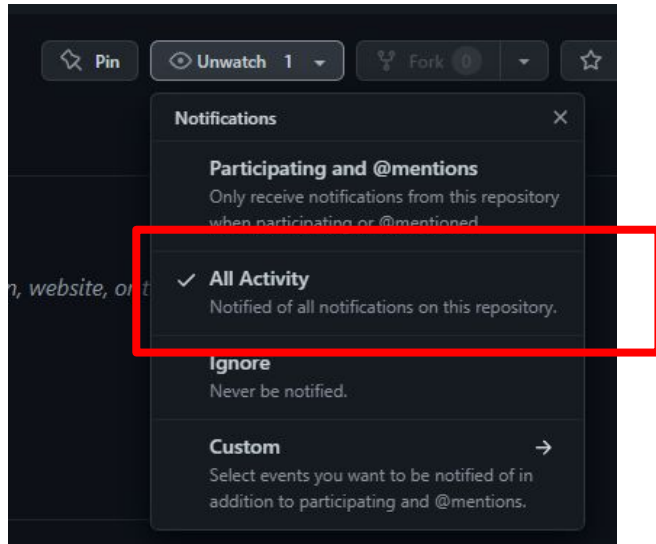
Github repository

[main] <https://github.com/jyha200/osfall2022>

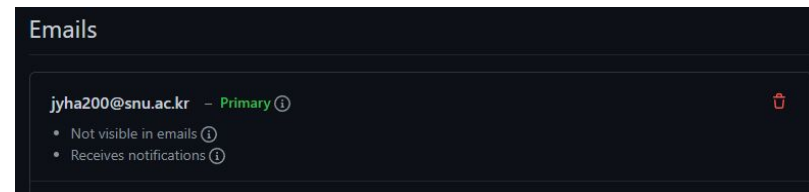
[per-team] [https://github.com/\[github_id\]/osfall2022-team\[#\]](https://github.com/[github_id]/osfall2022-team[#])

Notification Settings

1.



2.



1. <https://github.com/jyha200/osfall2022>

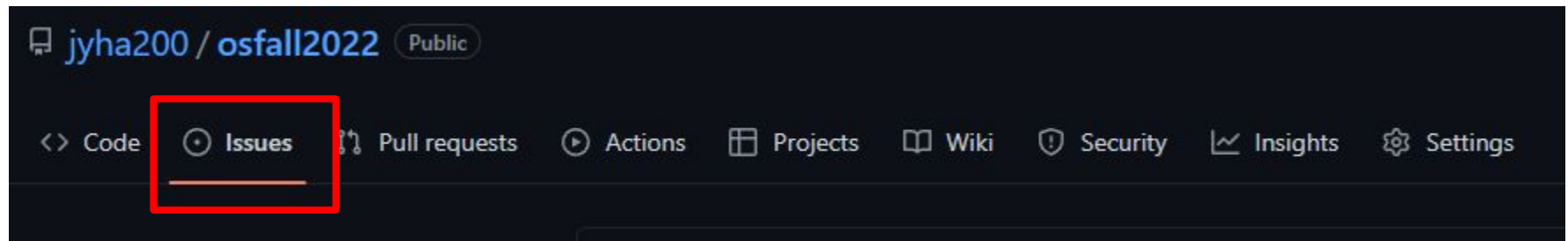
2. <https://github.com/settings/emails>

Issue Board

Please use the GitHub issue board for all questions that can be shared with other students

Active participation highly encouraged: help out others!

Do NOT close your issues so that other students can find them easily



#0 Compiling the Kernel & Running the emulator

Information

OS (kernel): Tizen 5.0

Emulator: QEMU

Environment

Native Ubuntu : Strongly Recommended-!!!

Virtual Machines

Building process is typically much faster when using more than one core

List of possible hypervisors

- VirtualBox
- VMware (not tested)
- Parallels (not tested)

#0 Compiling the Kernel & Running the emulator

•Steps (more details at <https://github.com/jyha200/osfall2022/blob/master/doc/Project0.md>)

- 1.Download the Tizen kernel source code.
- 2.Build the kernel and make the booting image.
- 3.Install and configure the emulator.
- 4.Run the emulator and upload the related screenshots on etl.

#1 Overview

- Write a system call

- `int ptree(struct prinfo *buf, int *nr)`
- System call number **398**
- You can name your function `sys_ptree`; doesn't matter as long as it works

- Test your system call

- Print the entire process tree in pre-order

- Reference

Details + help document will be announced soon on <https://github.com/jyha200/osfall2022>