

UTS ROBOT AUTONOMY I

Daffa Fajar Fadhlurrahman

1103194083

Clone File

webots-szte-robocup-2022

Copy link yang akan
kita clone

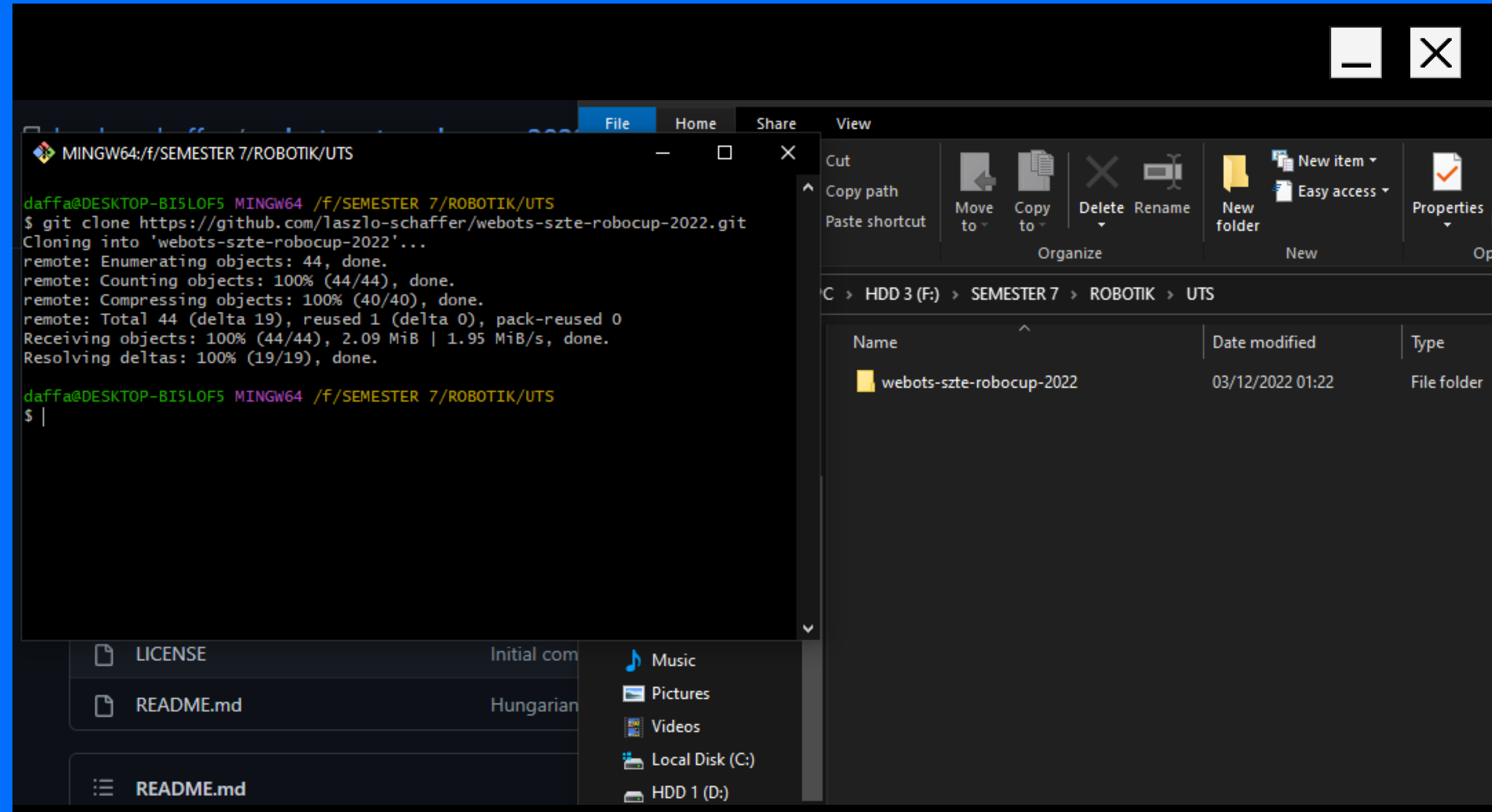
The screenshot shows the GitHub interface for the repository `laszlo-schaffer / webots-szte-robocup-2022`, which is public. The navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Security, and Insights. Below the navigation bar, there are buttons for 'main' (selected), '1 branch', and '0 tags'. To the right are buttons for 'Go to file', 'Add file', and 'Code'. The 'Code' dropdown menu is open, showing options for 'Local' and 'Codespaces' (with a 'New' button). Under 'Local', there is a 'Clone' section with tabs for 'HTTPS', 'SSH', and 'GitHub CLI'. The 'HTTPS' tab is selected, showing the URL `https://github.com/laszlo-schaffer/webots-szt` with a copy icon. Below the URL, it says 'Use Git or checkout with SVN using the web URL.' Other options in the dropdown include 'Open with GitHub Desktop', 'Open with Visual Studio', and 'Download ZIP'.

File/Folder	Description
laszlo-schaffer	Hungarian and english desc.
controllers	Main files
libraries	Main files
protos	Main files
worlds	Main files
LICENSE	Initial commit
README.md	Hungarian and english desc.

webots-szte-robocup-2022

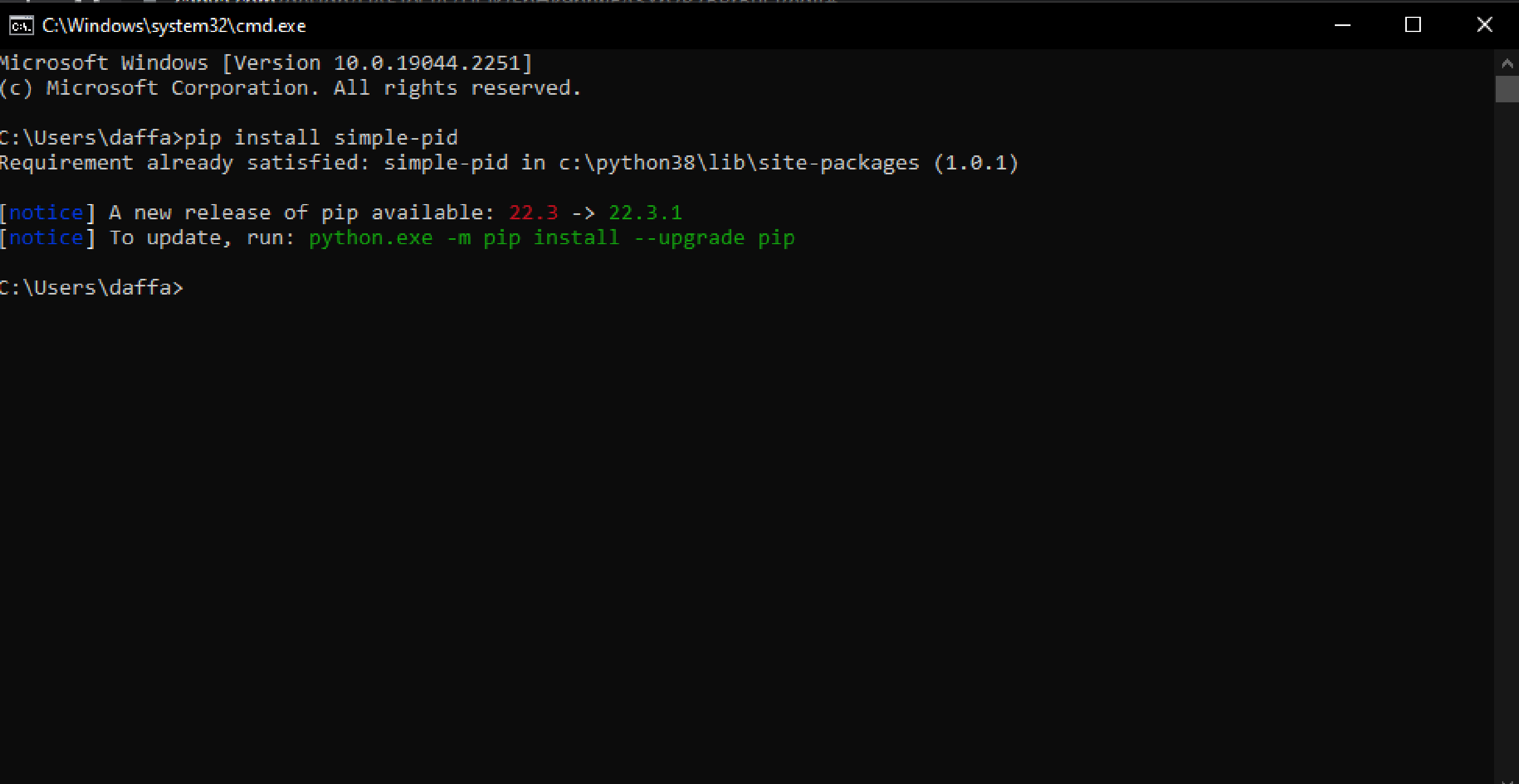
Git Clone

Buka Git Bash lalu
Git Clone ke Folder
yang sudah kita buat



Install simple_pid for the base environment

ketik "pip install
simple-pid"
pada CMD



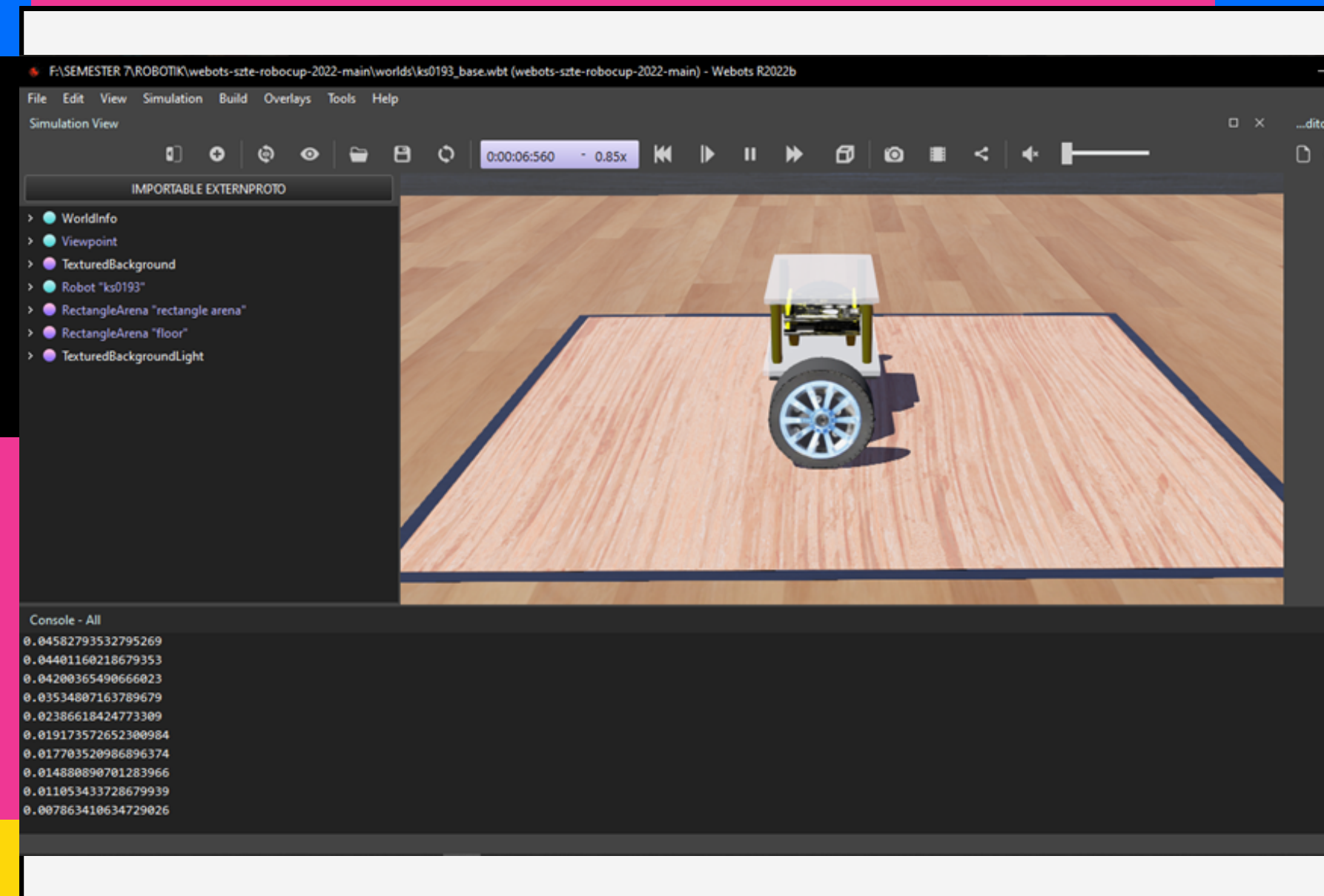
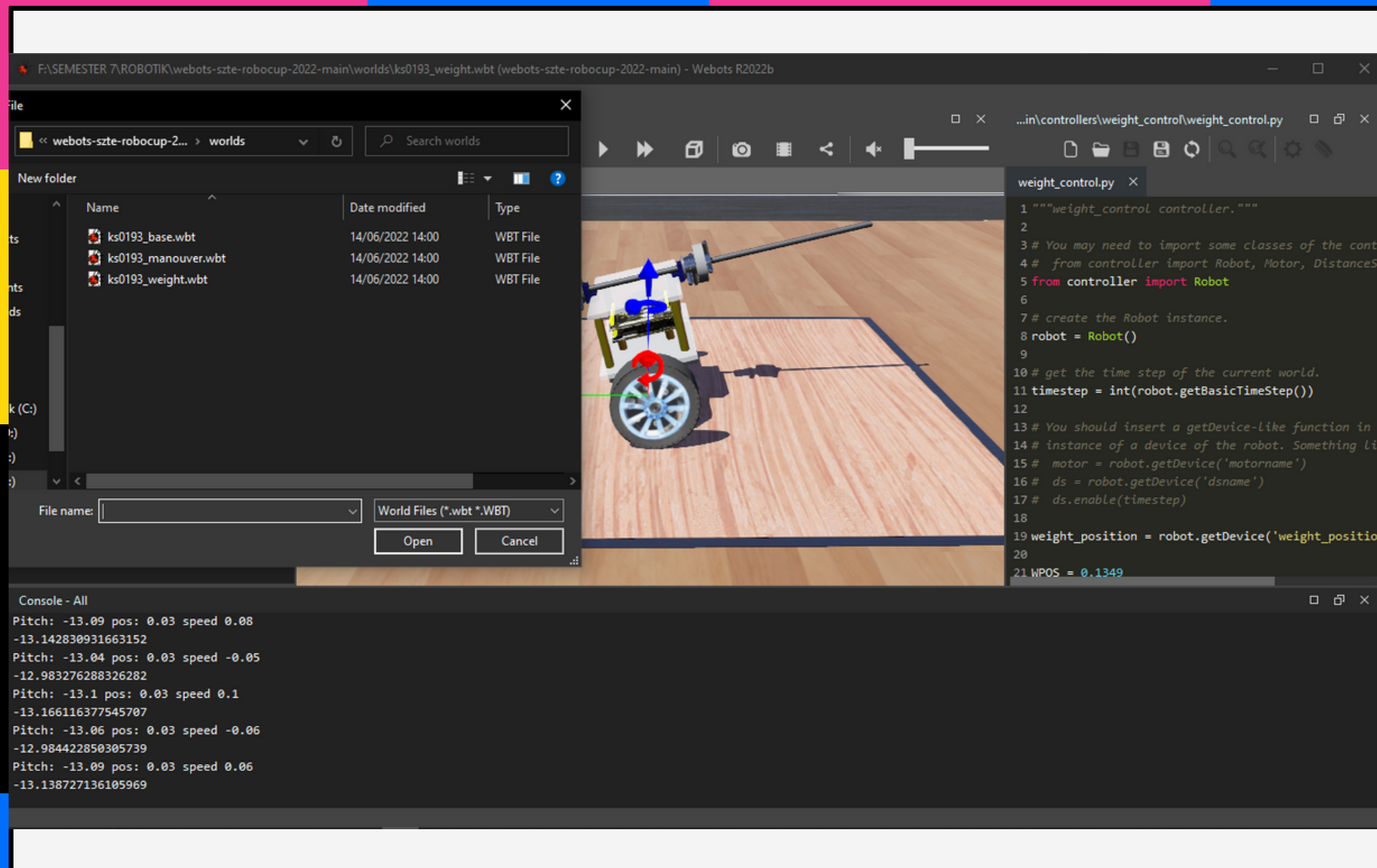
```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\daffa>pip install simple-pid
Requirement already satisfied: simple-pid in c:\python38\lib\site-packages (1.0.1)

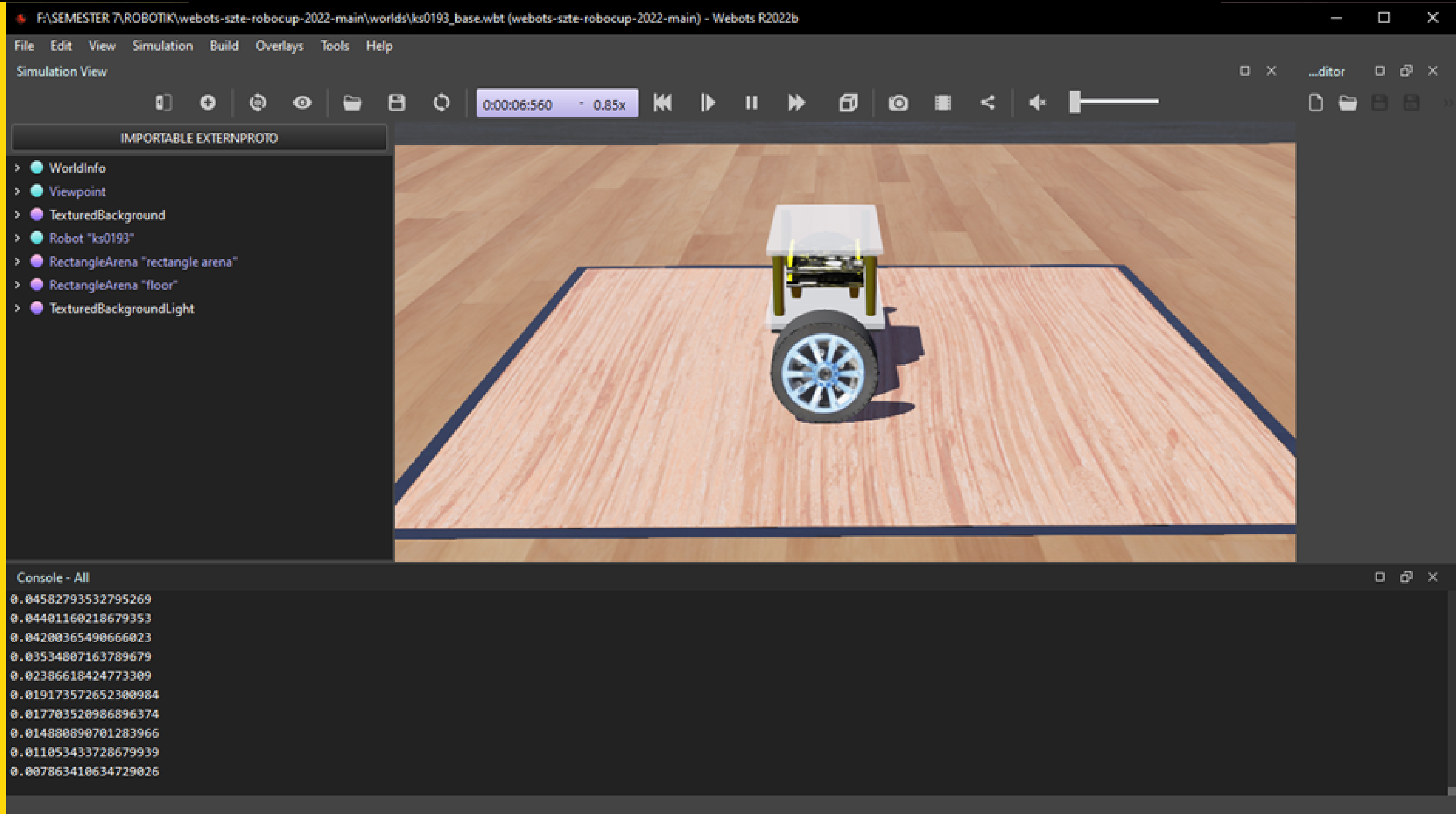
[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\daffa>
```

Buka Webots dan open file yang sudah di Git Clone

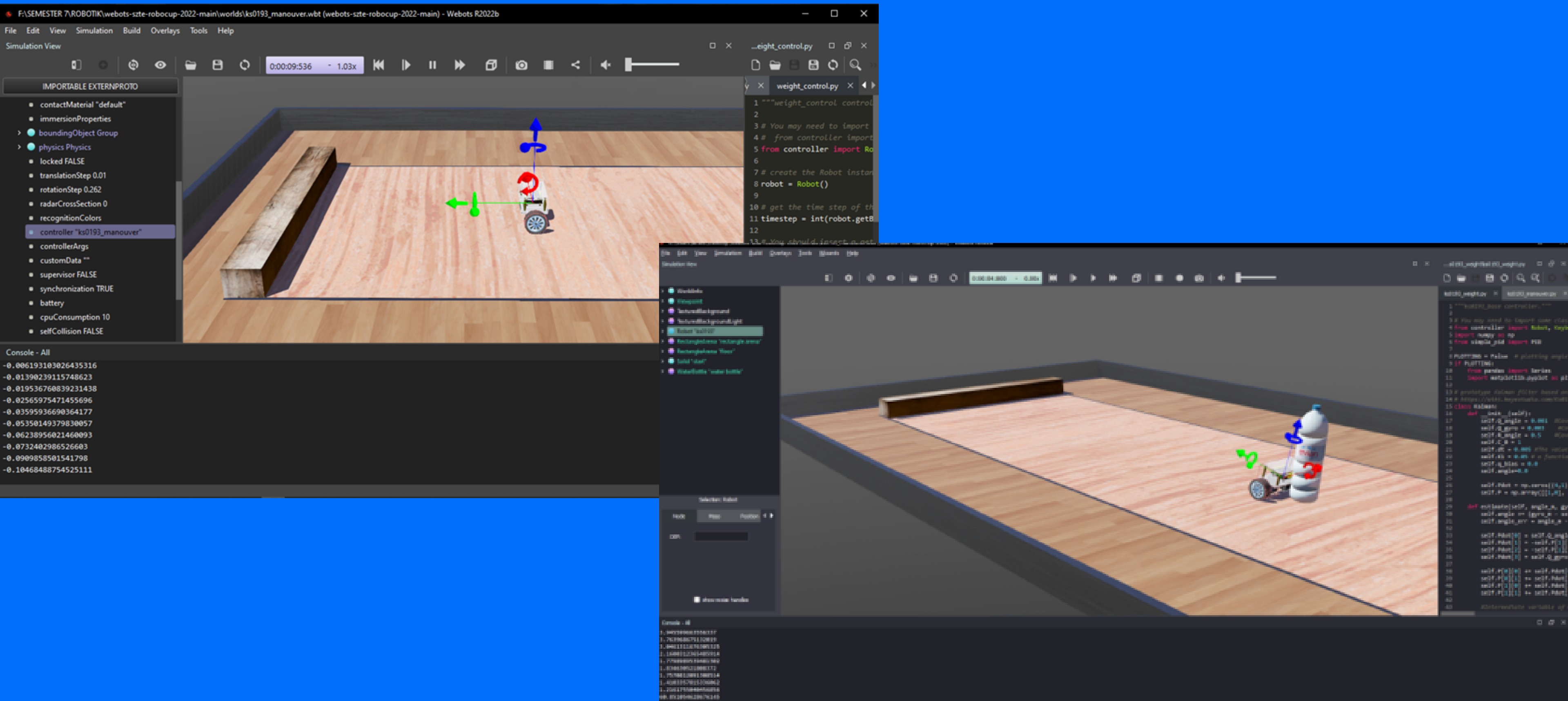


Berikut File World ksO193_base.wbt



Ketika robot tersebut dijalankan, Robot tersebut berdiri seimbang dan tidak terjatuh

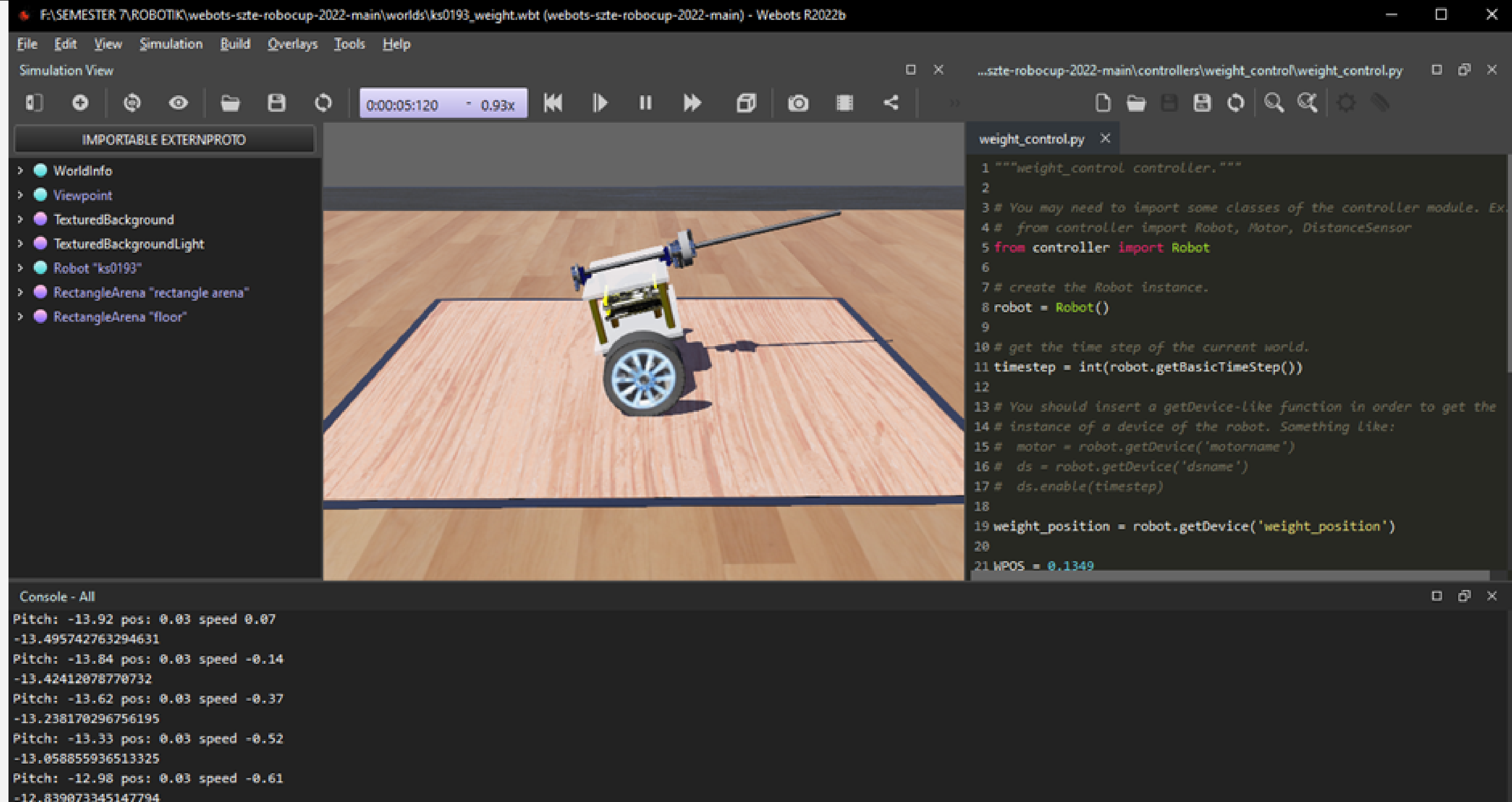
Robot ks0193_manouver.wbt40



Robot tersebut akan berjalan dengan imbang dan akan menabrak sebuah objek yaitu botol

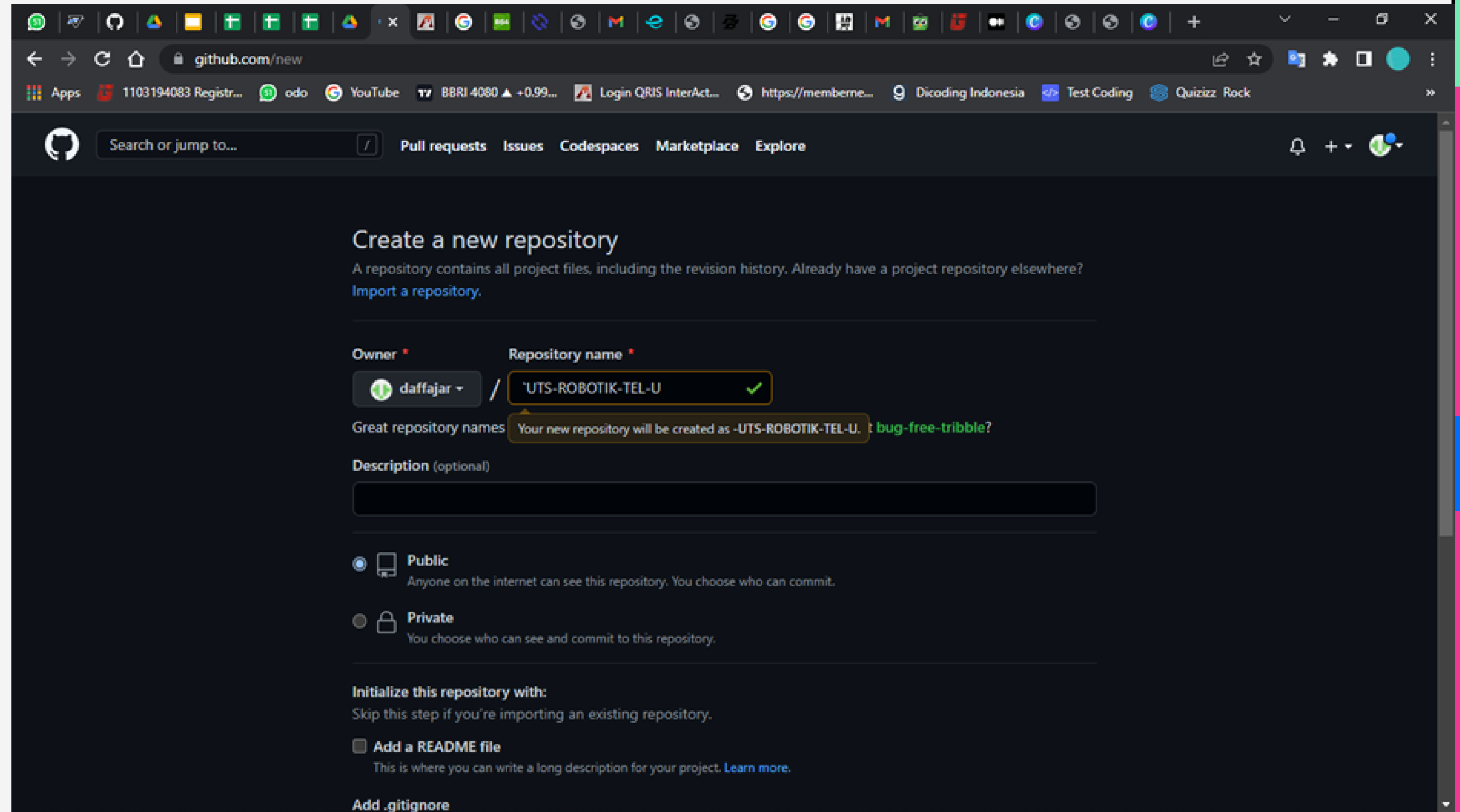
Robot ksO193_weight.wbt

Robot tersebut akan berdiri seimbang dan tidak terjatuh



Repository

Membuat Repository
untuk menyimpan
project yang sudah
kita kerjakan



The screenshot shows the GitHub 'Create a new repository' page. The browser address bar shows 'github.com/new'. The page title is 'Create a new repository'. Below the title, it says 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)'. The form has two main sections: 'Owner' and 'Repository name'. The 'Owner' dropdown is set to 'daffajar'. The 'Repository name' field contains 'UTS-ROBOTIK-TEL-U' with a green checkmark. Below this, a message says 'Great repository names' and 'Your new repository will be created as -UTS-ROBOTIK-TEL-U. t bug-free-tribble?'. The 'Description (optional)' field is empty. There are two radio buttons for visibility: 'Public' (selected) and 'Private'. Below these, it says 'Initialize this repository with: Skip this step if you're importing an existing repository.' There are two checkboxes: 'Add a README file' (checked) and 'Add .gitignore' (unchecked). The 'Add a README file' checkbox has a tooltip that says 'This is where you can write a long description for your project. [Learn more.](#)'.

Owner ^{*} Repository name ^{*}

daffajar / UTS-ROBOTIK-TEL-U ✓

Great repository names Your new repository will be created as -UTS-ROBOTIK-TEL-U. t bug-free-tribble?

Description (optional)

☒ Public Anyone on the internet can see this repository. You choose who can commit.

☐ Private You choose who can see and commit to this repository.

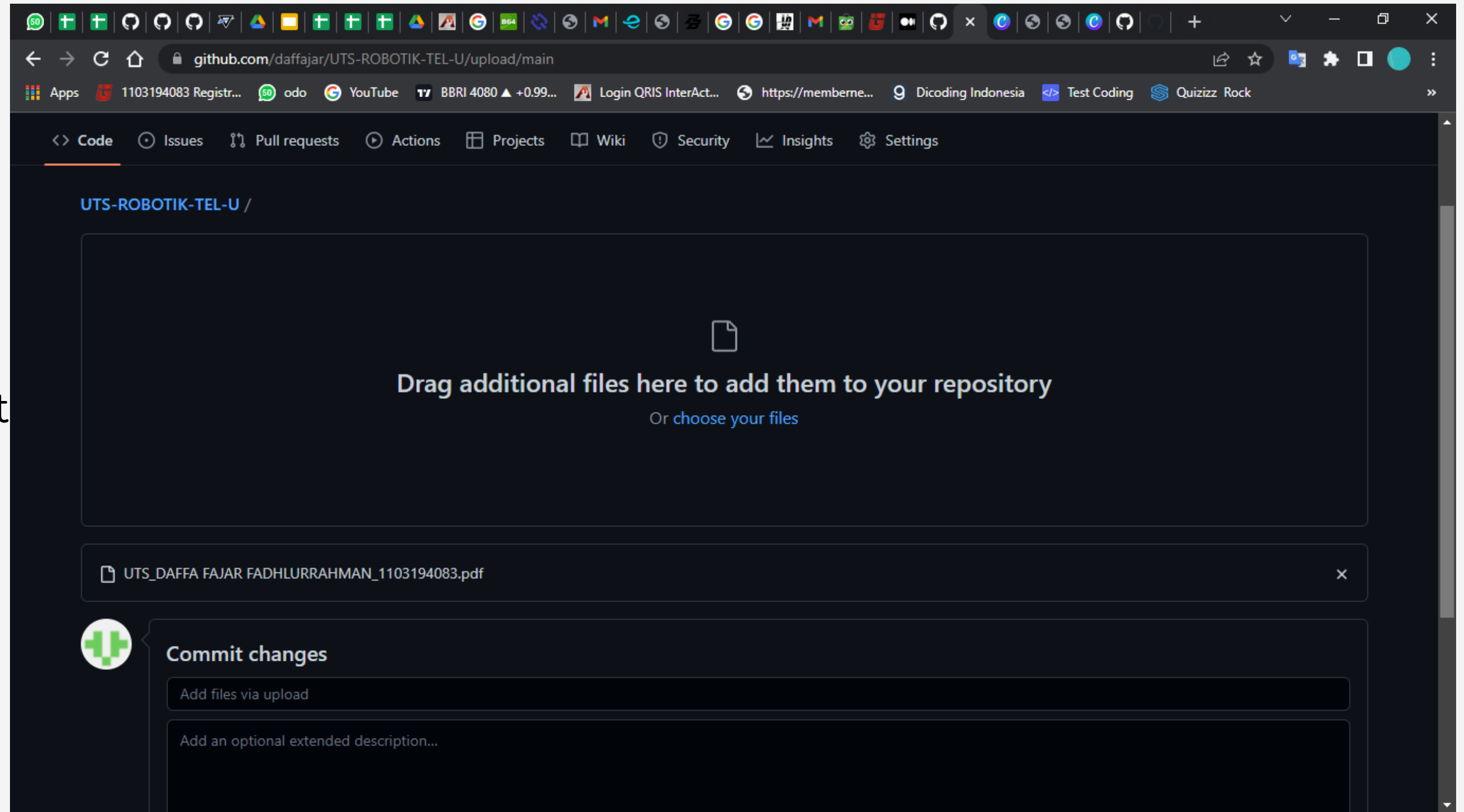
Initialize this repository with:
Skip this step if you're importing an existing repository.

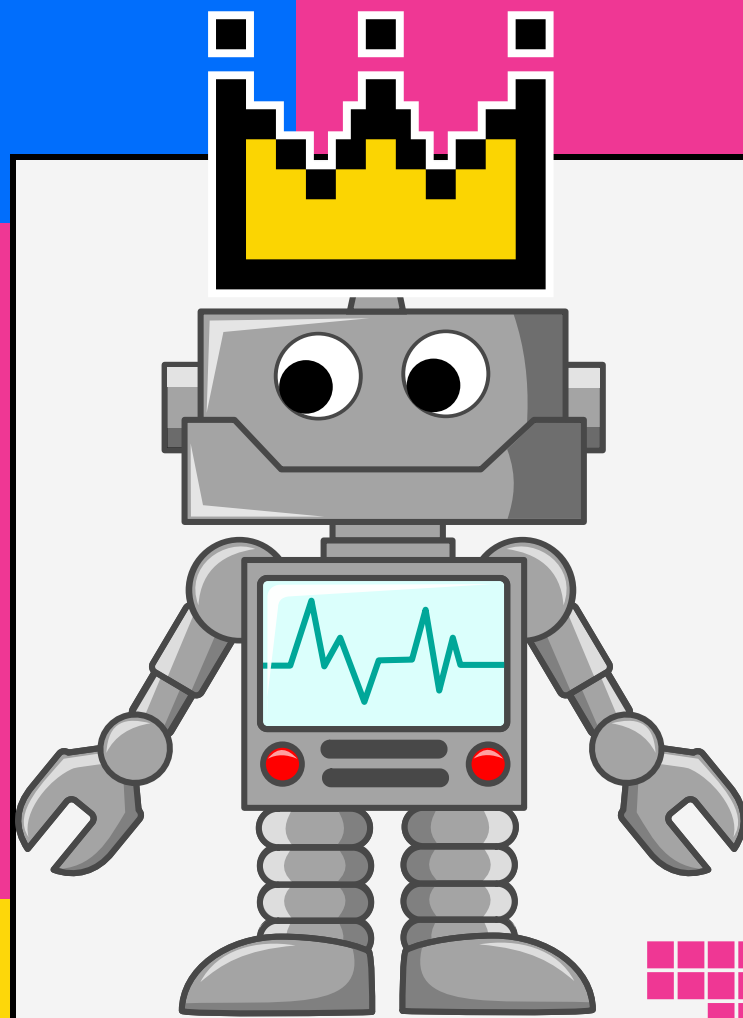
☒ Add a README file This is where you can write a long description for your project. [Learn more.](#)

☐ Add .gitignore

Repository

Masukan Project
tersebut lalu commit





THANK YOU

