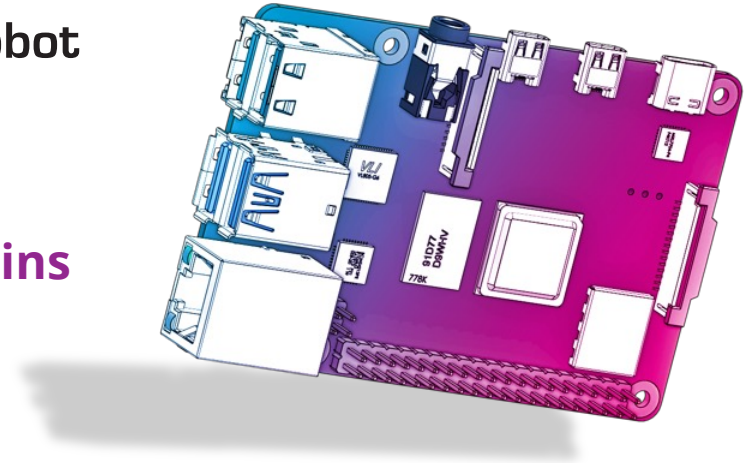
PRINT
BUILD
DEVELOP
YOUR OWN ROBOT

How to build your robot

www.pib.rocks/build



instructions for:

Changing burned pins

v2024

Build it better: our suggestion for assembling pib

We recommend **tools** for each step. These are a suggestion, you can of course also use other tools.

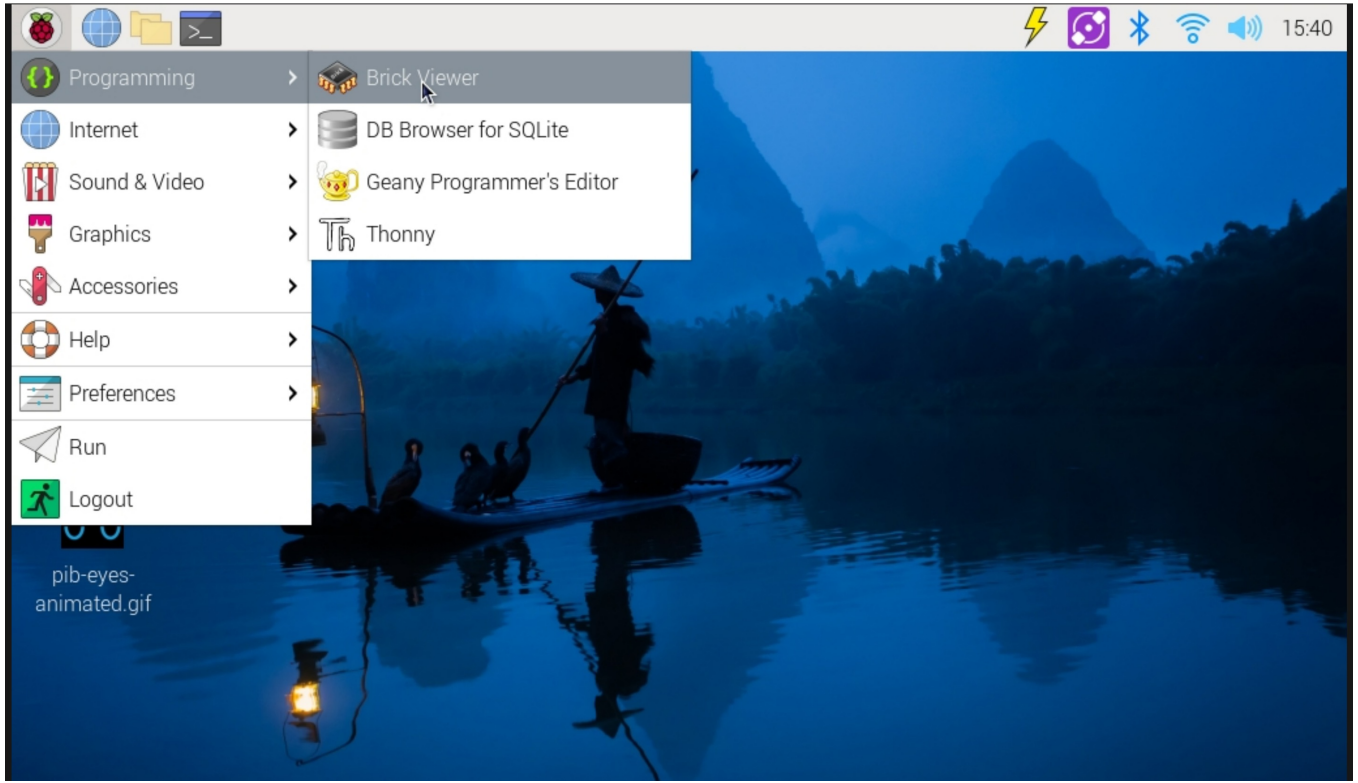
1-5

We have categorized each step according to its **difficulty** - from **1-5** (1 being the easiest, 5 the hardest)

We also show you which **non-printable parts** you need for each step

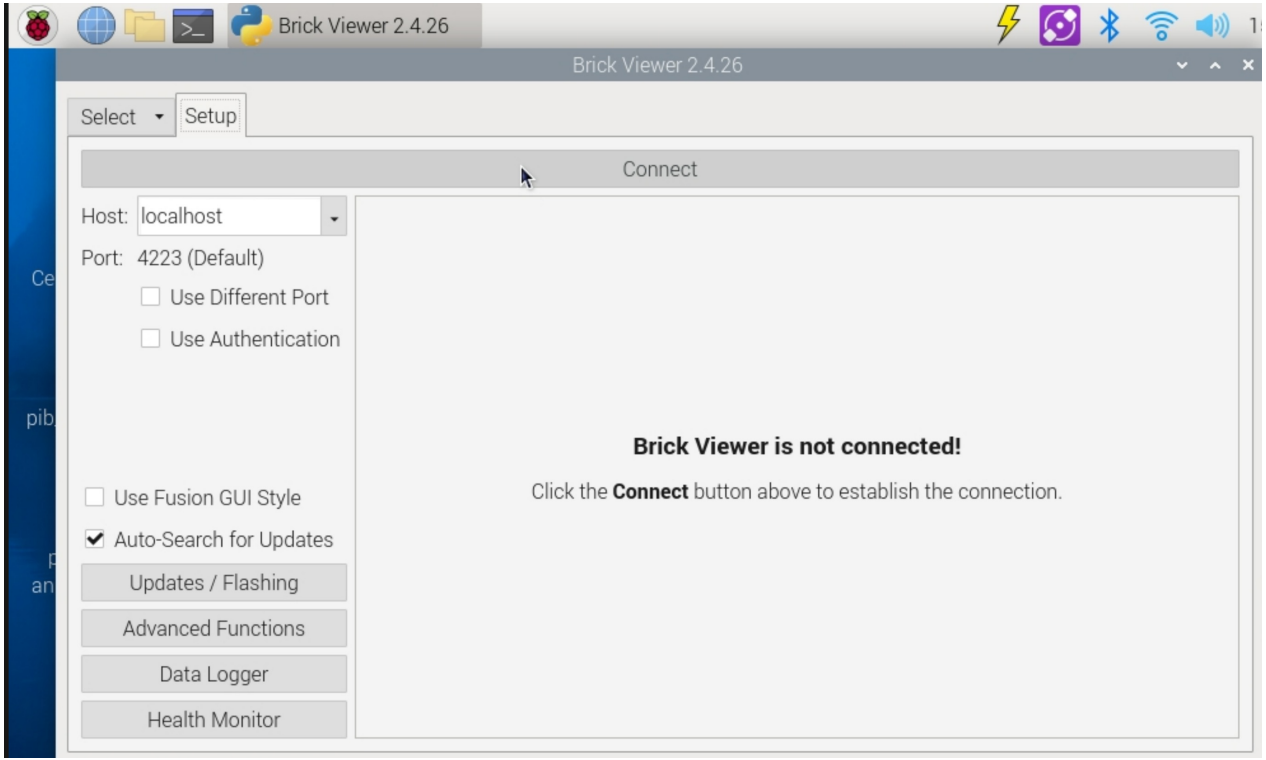
Step 1a

Click on the top left Raspberry icon, then point at programming and select brick viewer



Step 1b

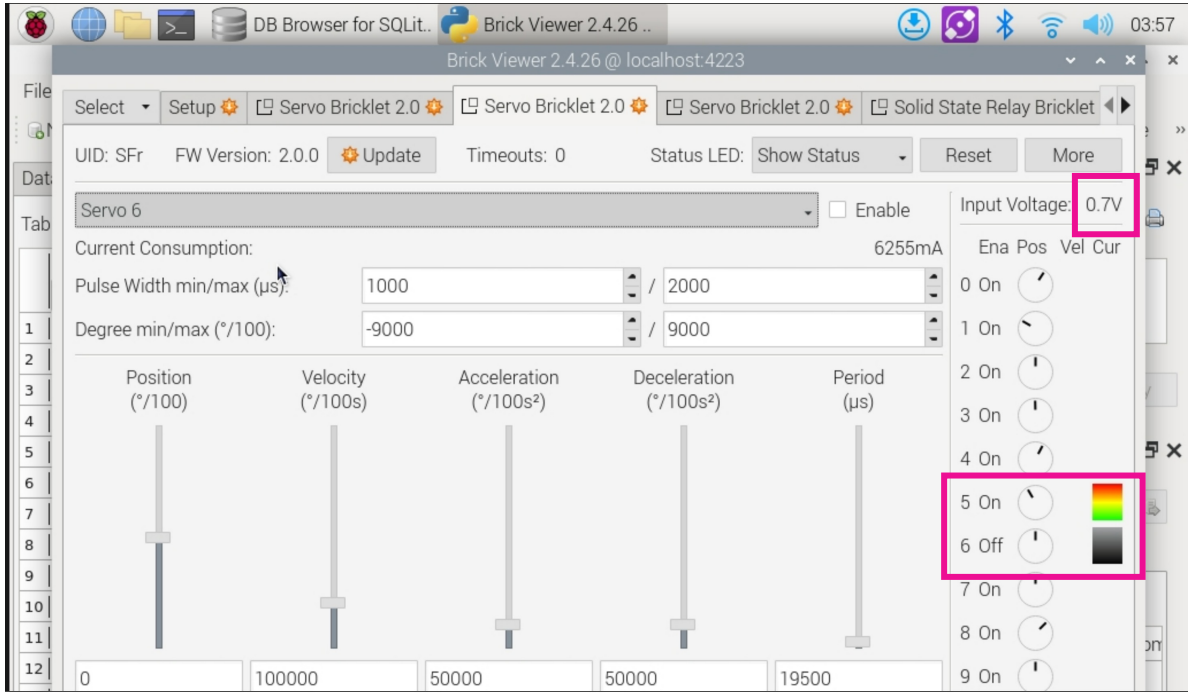
Click on connect



This connects all connected tinkerforge icomponents (1x Relay Bricklet, 3x Servo Bricklet) to the brick viewer software

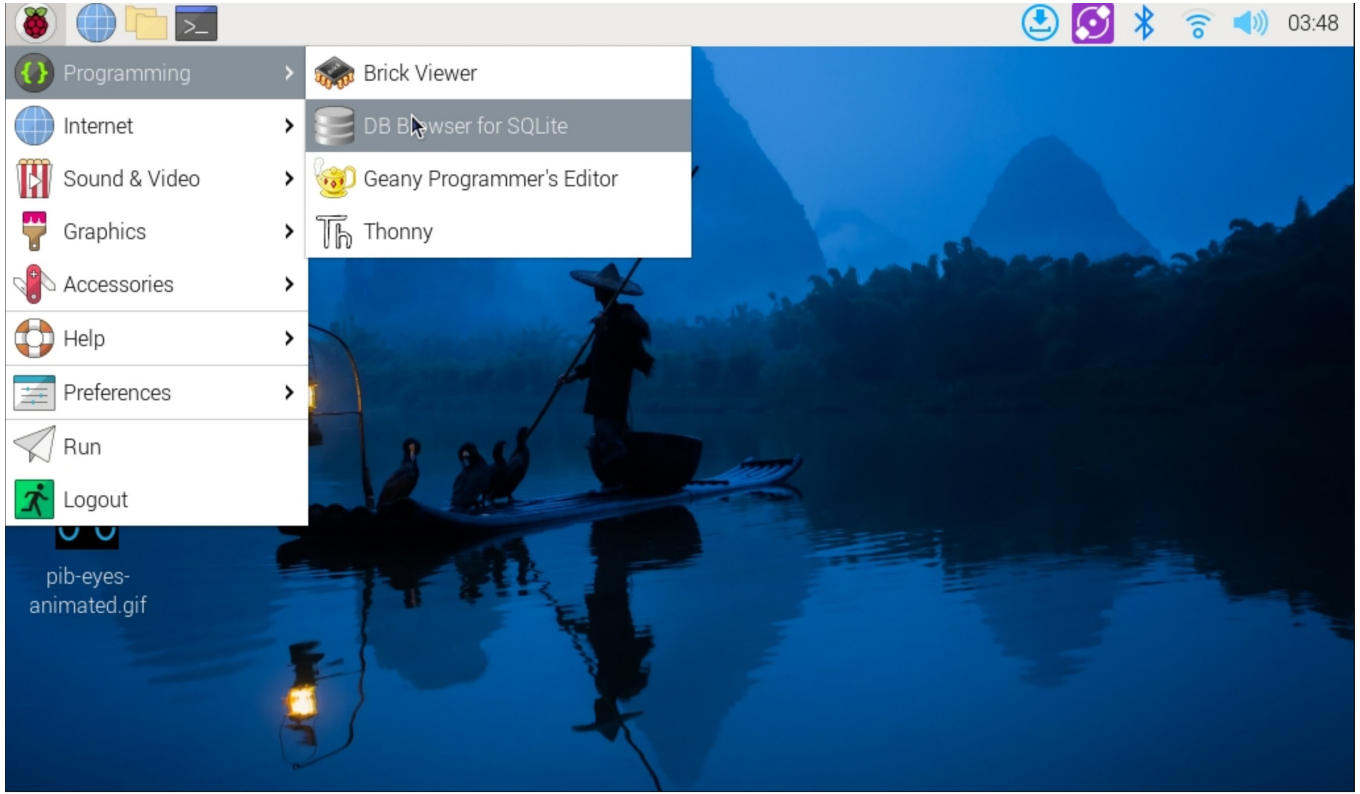
Step 1c

Memmorize the location of the burned pin, in this case bricklet UID "SFr" is **bricklet 1** and **burned servo is 6**. A burned pin should have unreasonable current draw, more than **4000ma** and an infographic thats in black or very colorful while in no load like servo 5. The burned pin should also not respond to your input. The burned pin might still have the high current draw at 0 voltage with unreasonable



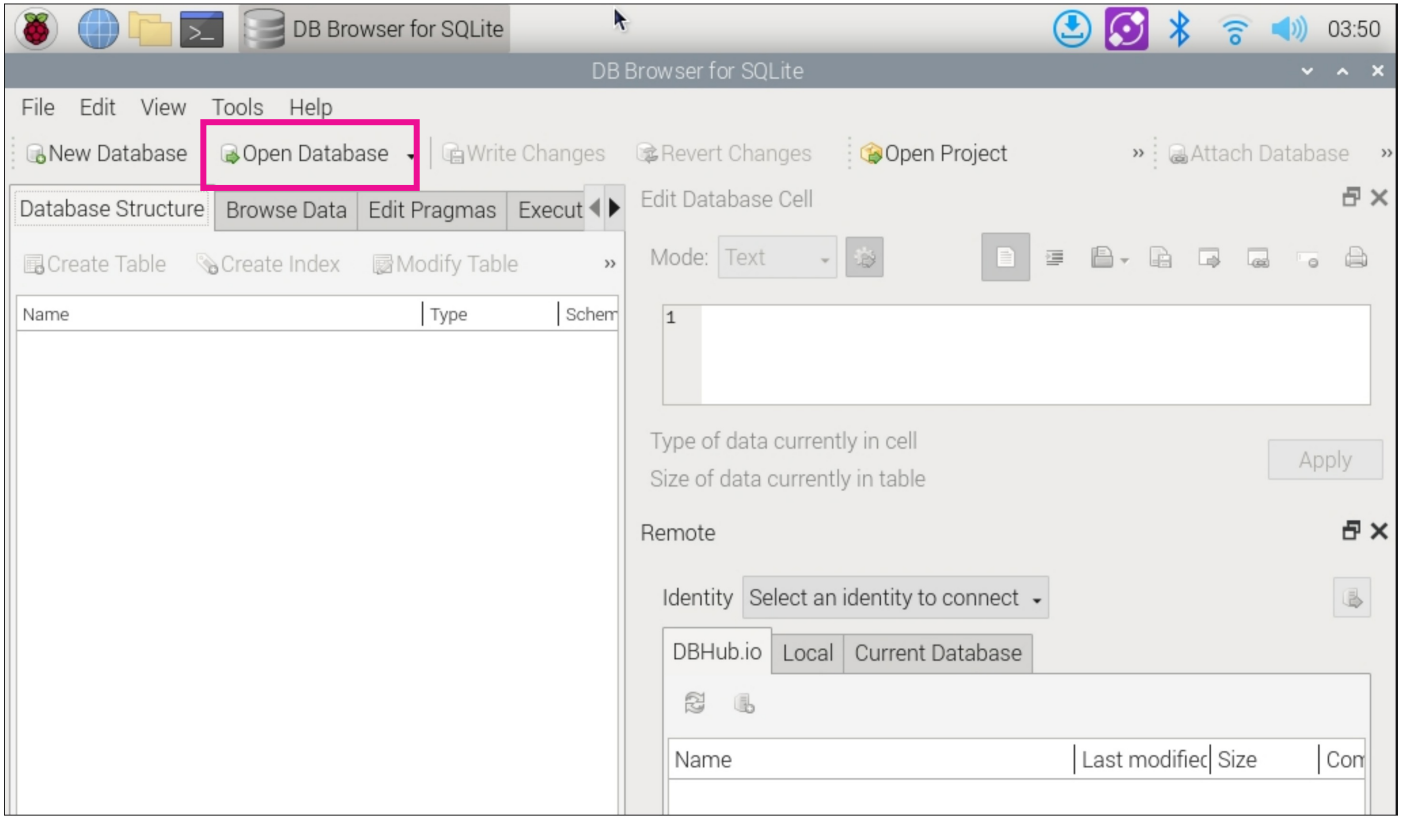
Step 2a

Click on the top left Raspberry icon, then point at programming and select DB browser for SQLite



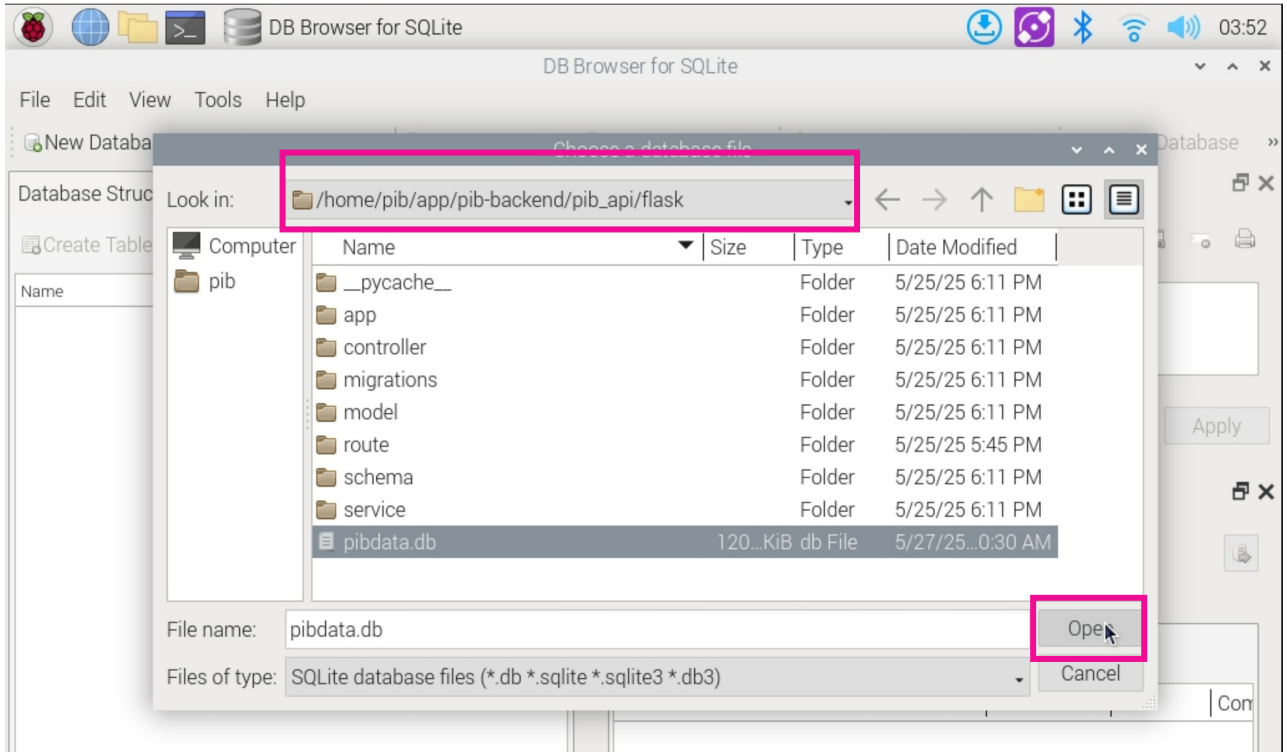
Step 2b

Click on open database



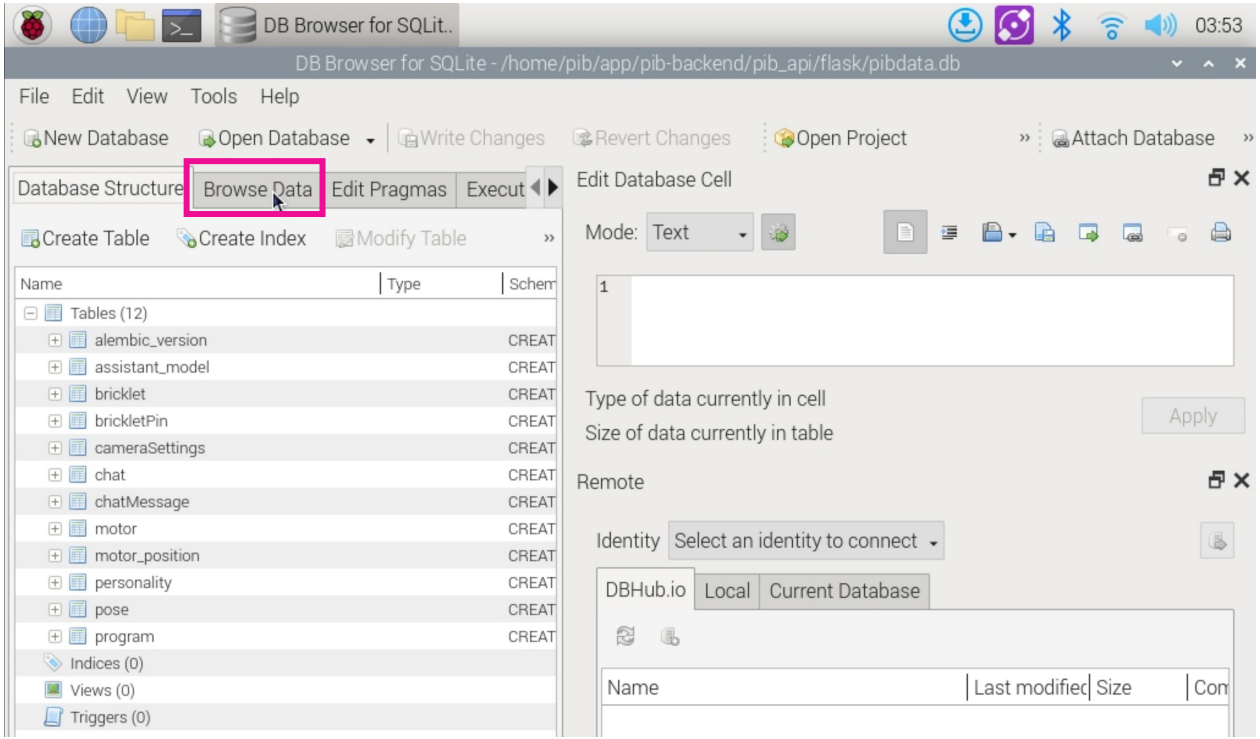
Step 2c

Navigate to app/pib-backend/pib_api/flask and select pib_data.db



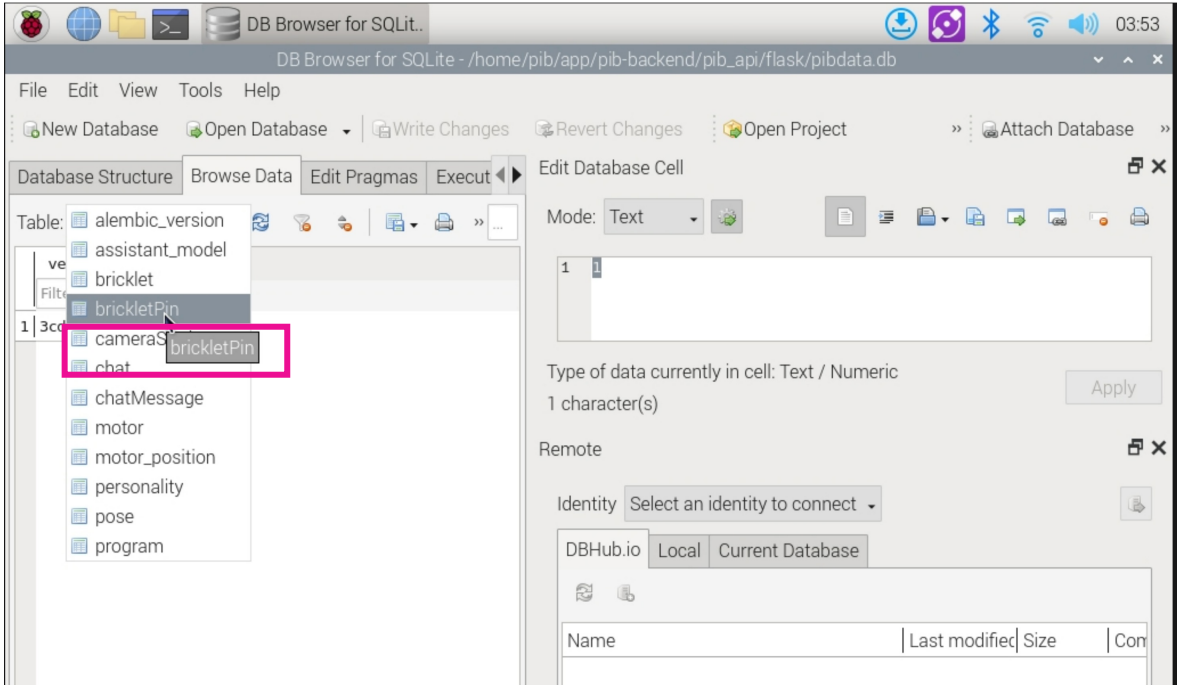
Step 3a

Click on browse data



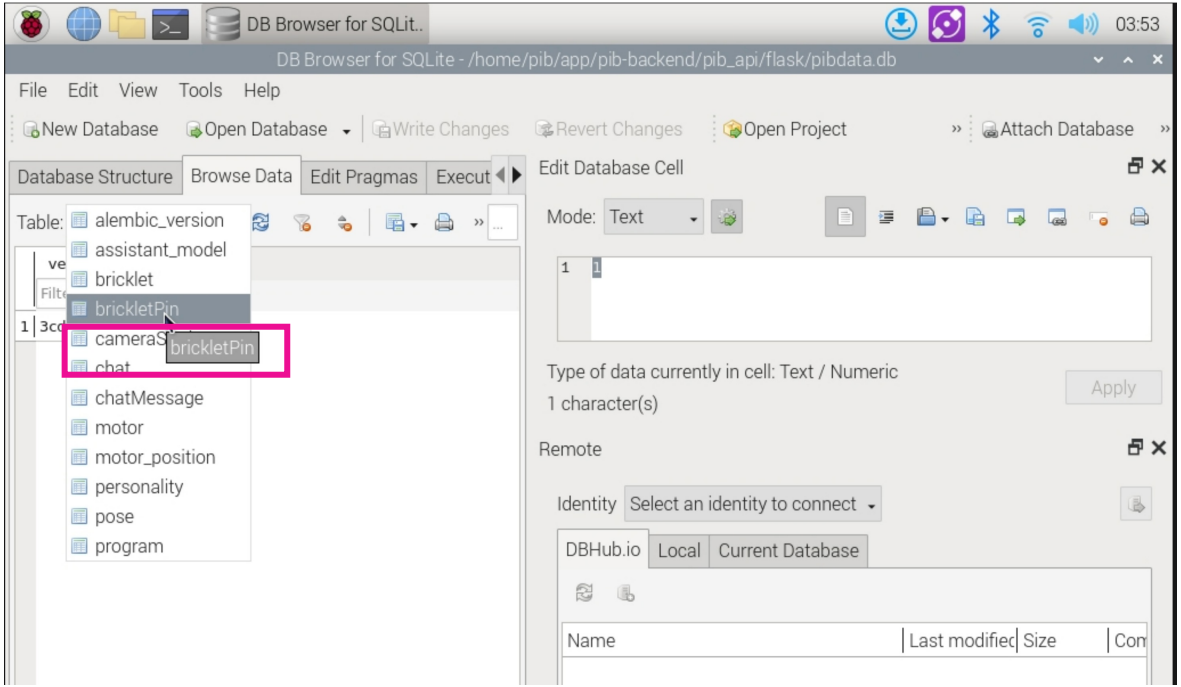
Step 3b

Click on table and choose brickletPin



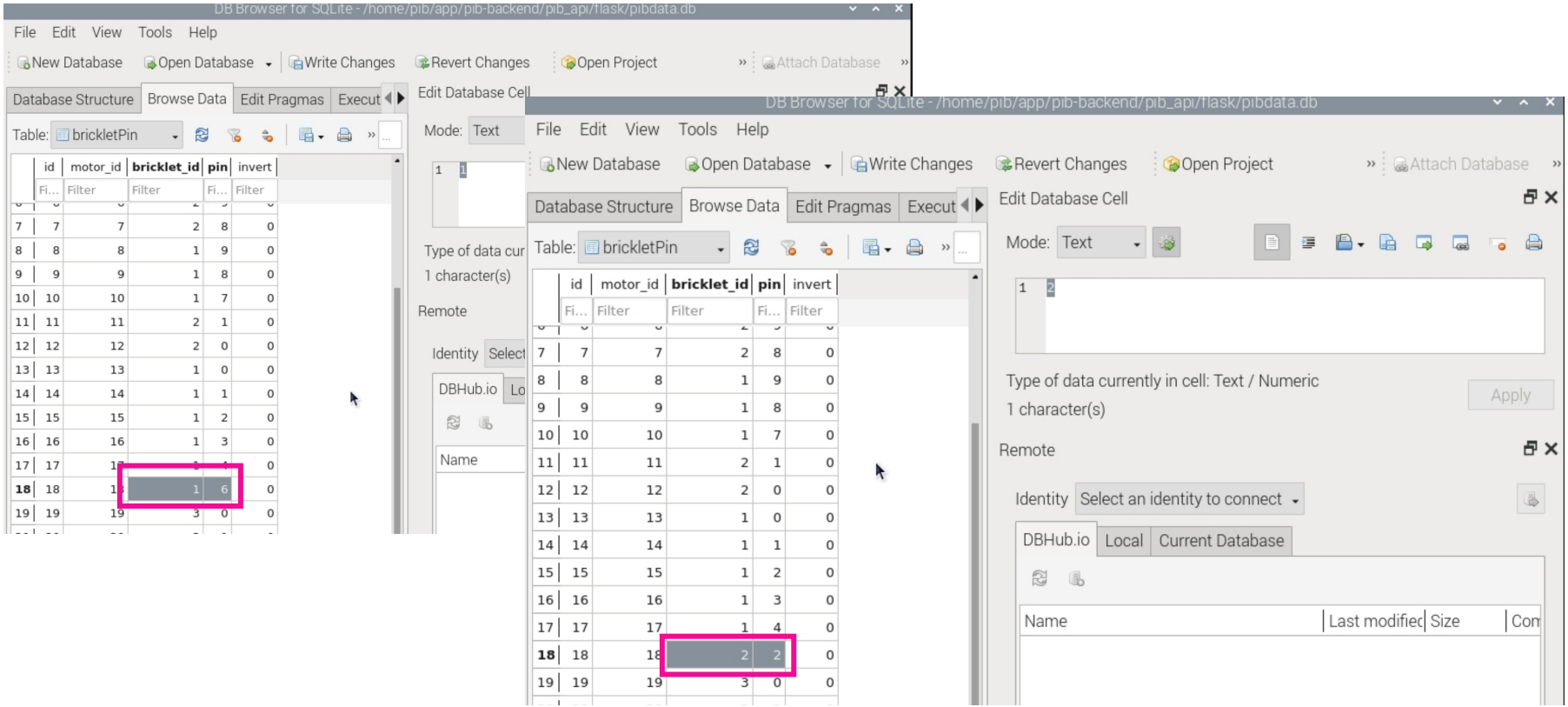
Step 4a

Click on table and choose brickletPin



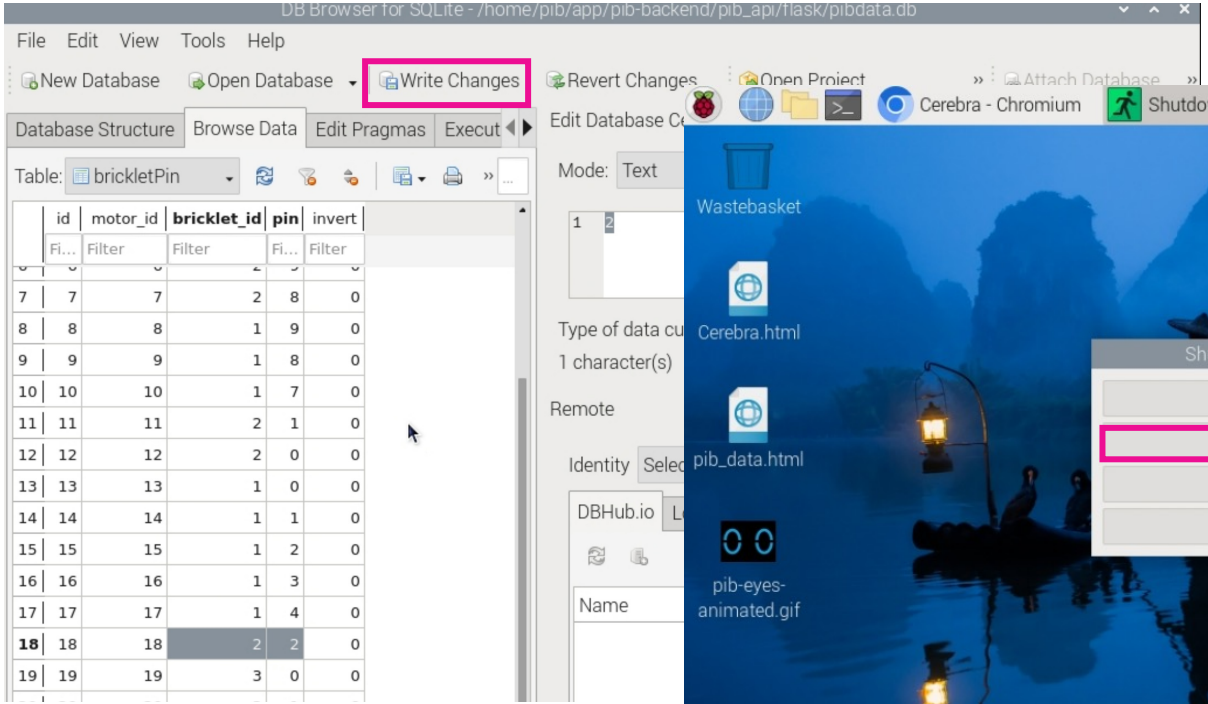
Step 4b

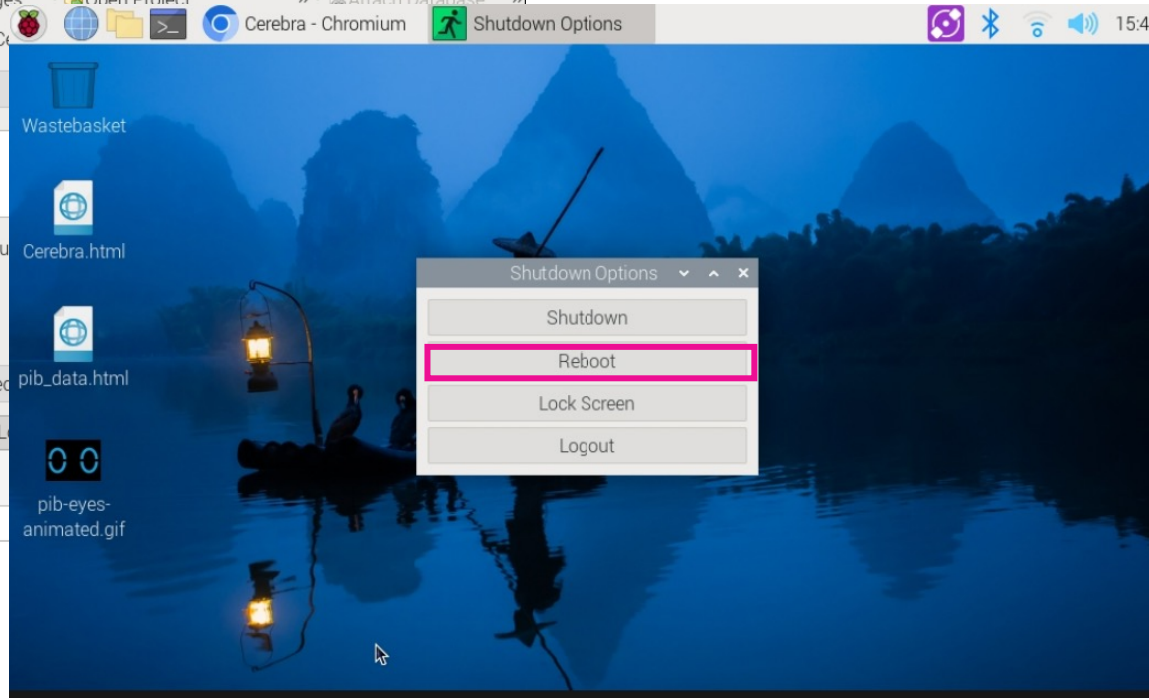
Change bricklet number from 1 to **2** and pin from 6 to one of the spare replacment pins (**2**,3,6,7)



Step 4c

Click on write changes and restart pib





Congratulations

You did a great job, you have fixed burned pins in pib!

Do you need support?

Or do you need our pib.Box with all non-printable parts?

Or maybe you have some new ideas and improvements?

Please contact us.

team@pib.rocks
Send us an email.

discord.com/invite/GRdpyeDu7P
Join us on Discord.

shop.pib.rocks
Order non-printable parts for pib.