CEC Continuing Education Center

DesignNews

Raspberry Pi Pico/Pico2 Development Using Visual Studio Code

Day 1:

The Raspberry Pi Pico VS Code Extension

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Webinar Logistics

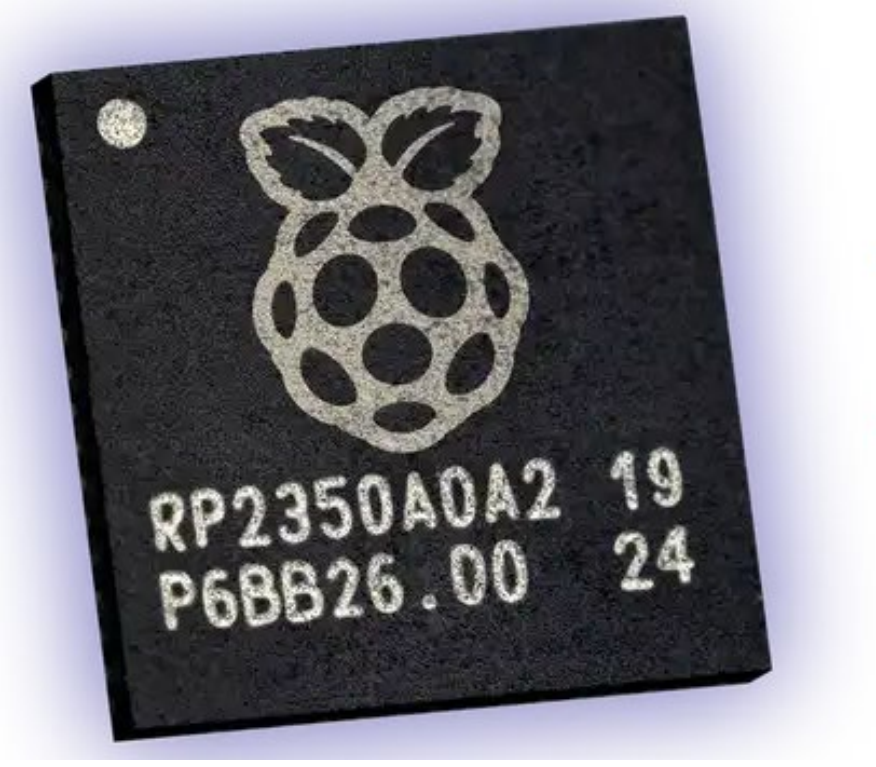
- Turn on your system sound to hear the streaming presentation.
- If you have technical problems, click “Help” or submit a question asking for assistance.
- Participate in ‘Attendee Chat’ by maximizing the chat widget in your dock.

Fred Eady

Visit ‘Lecturer Profile’ in your console for more details.

AGENDA

- Install Visual Studio Code
- Install the Raspberry Pi Pico VS Code Extension
- Equipment Check



Download and Install VS Code

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

https://code.visualstudio.com/download#

Windows
Windows 10, 11

User Installer	x64	Arm64
System Installer	x64	Arm64
.zip	x64	Arm64
CLI	x64	Arm64

.deb
Debian, Ubuntu

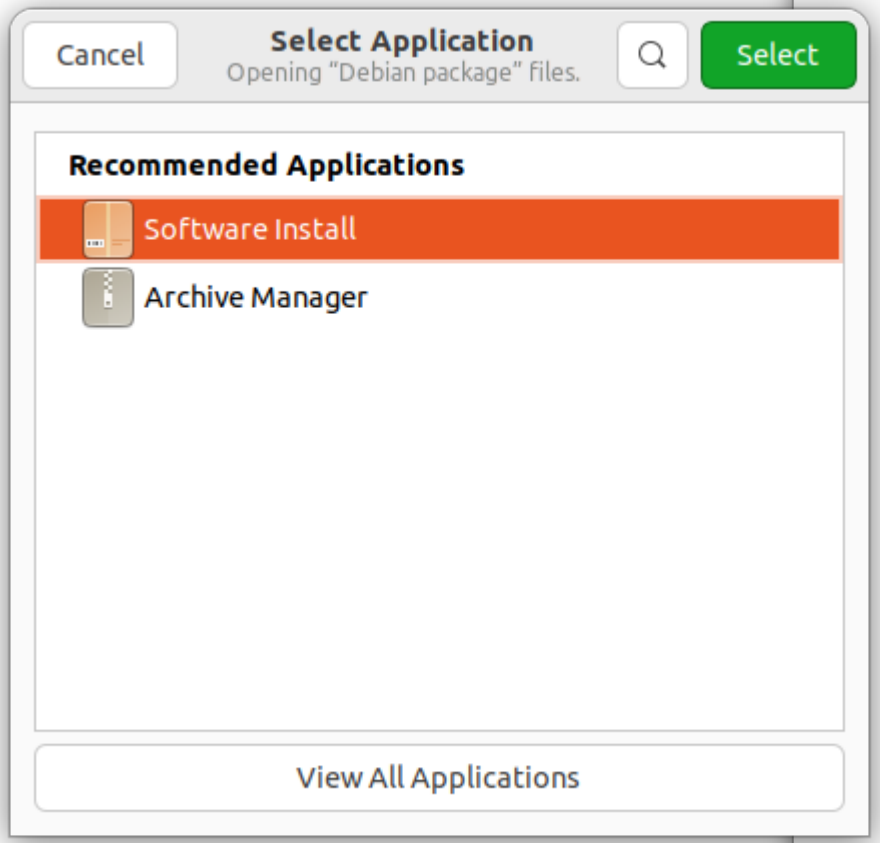
.rpm
Red Hat, Fedora, SUSE

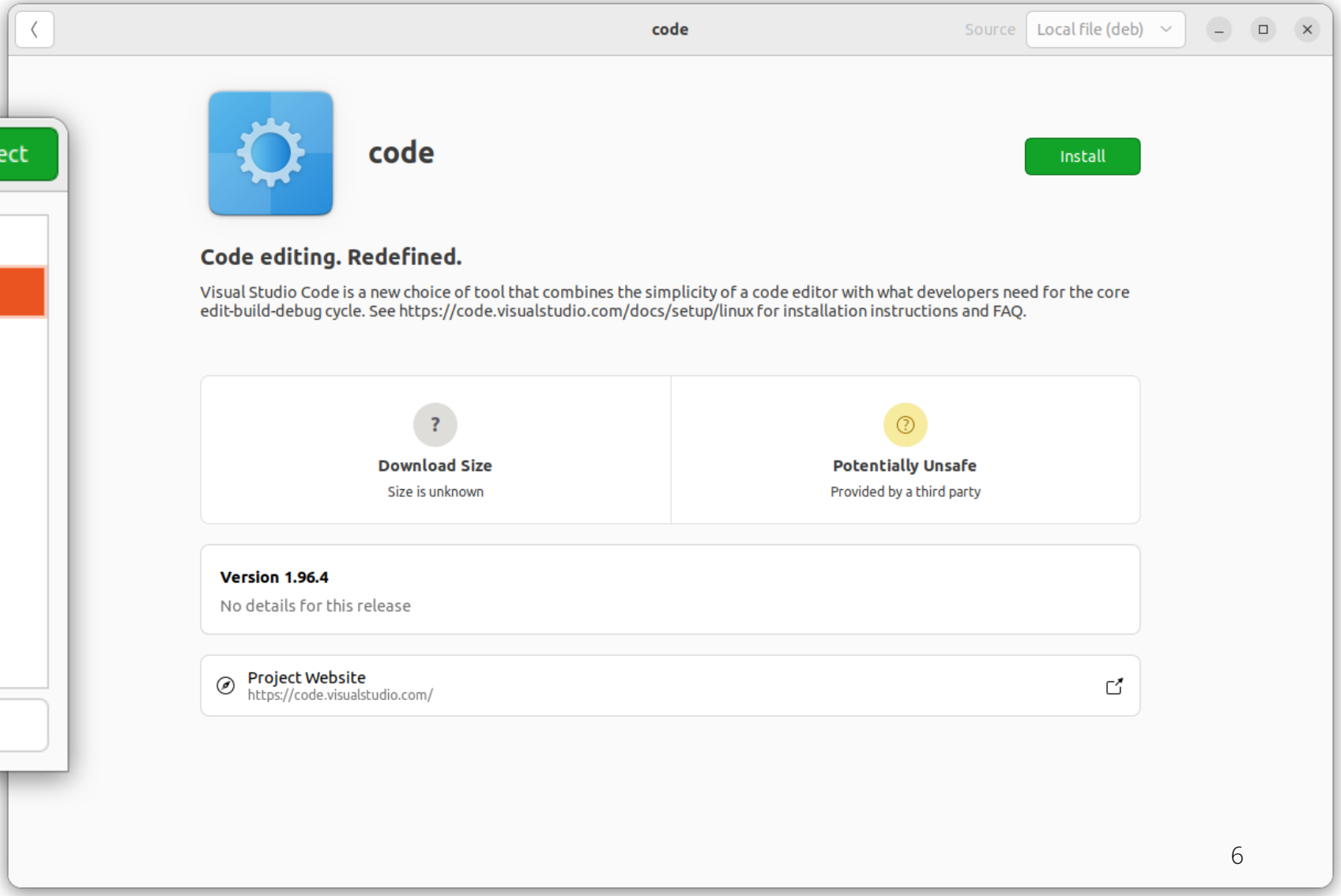
.deb	x64	Arm32	Arm64
.rpm	x64	Arm32	Arm64
.tar.gz	x64	Arm32	Arm64
Snap	Snap Store		
CLI	x64	Arm32	Arm64

Mac
macOS 10.15+

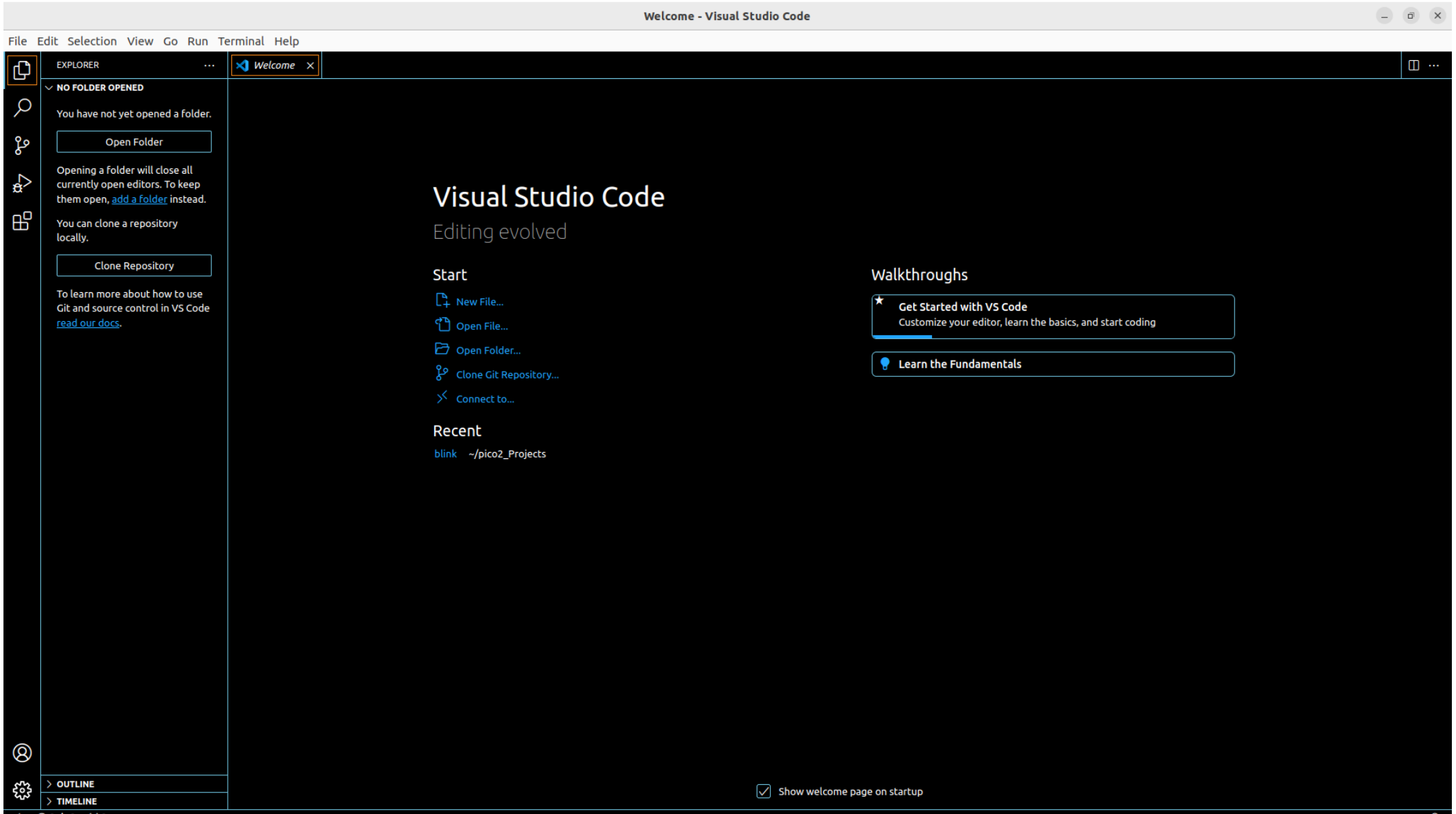
.zip	Intel chip	Apple silicon	Universal
CLI	Intel chip	Apple silicon	

Download and Install VS Code

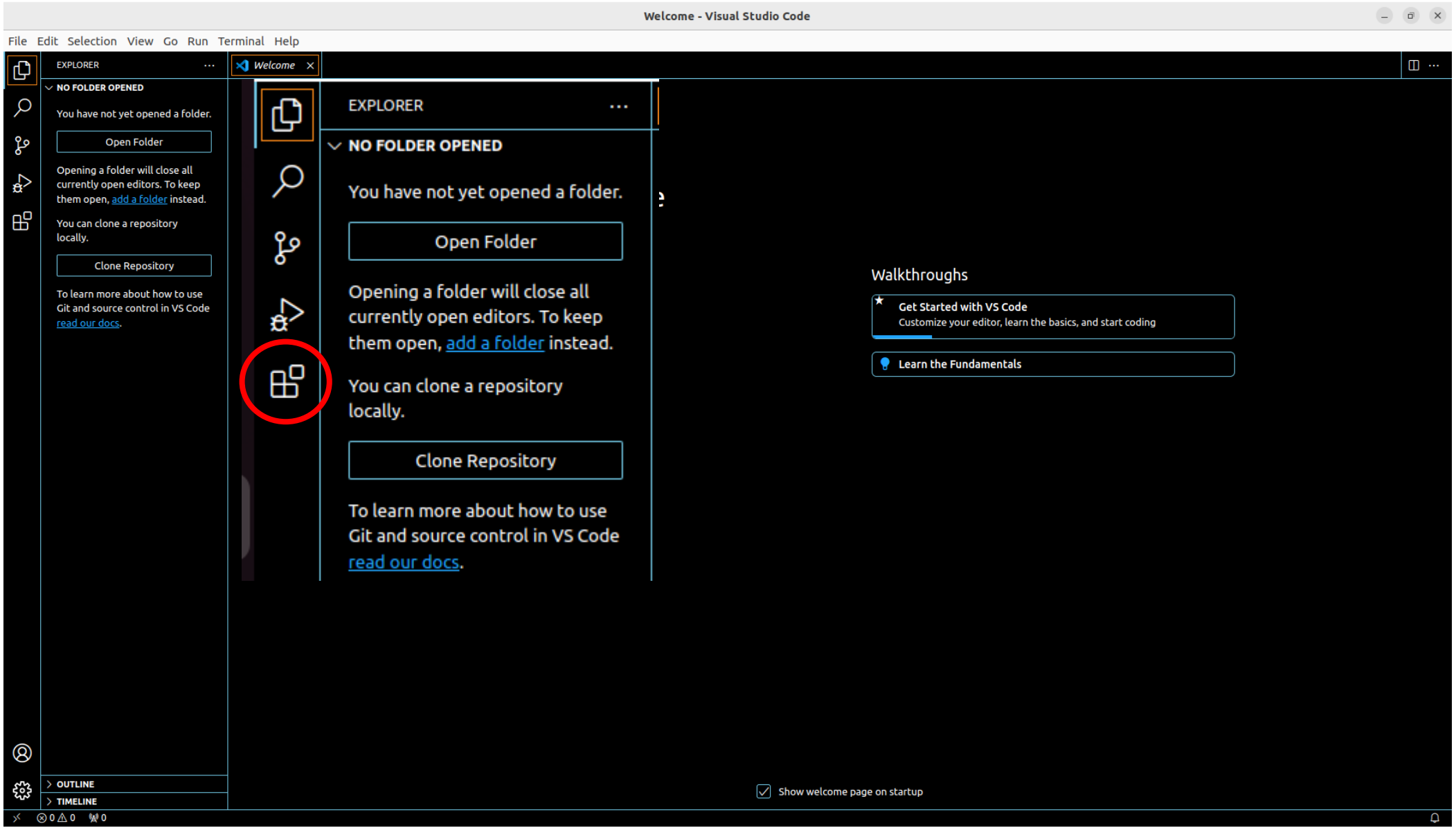




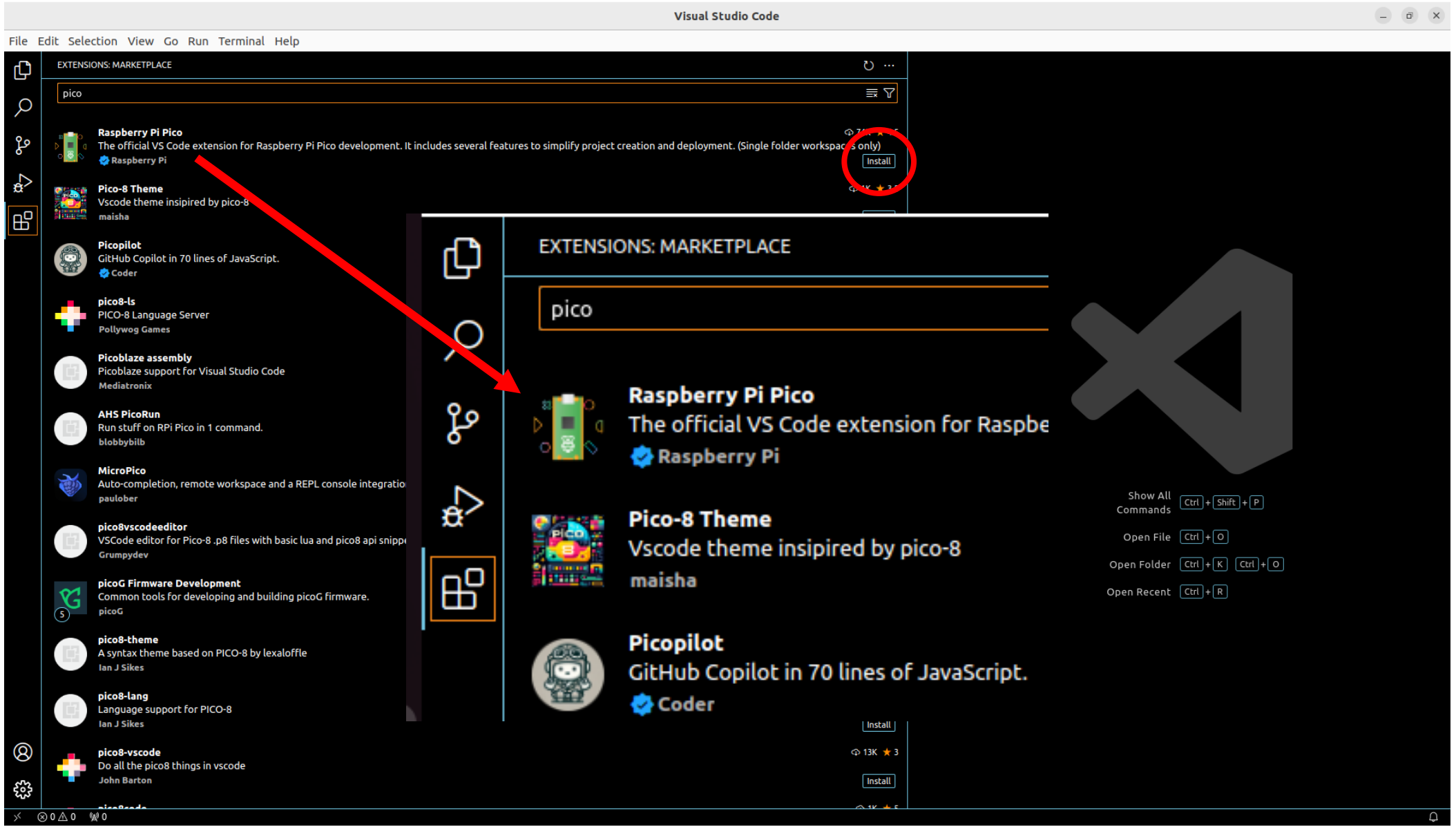
Download and Install VS Code



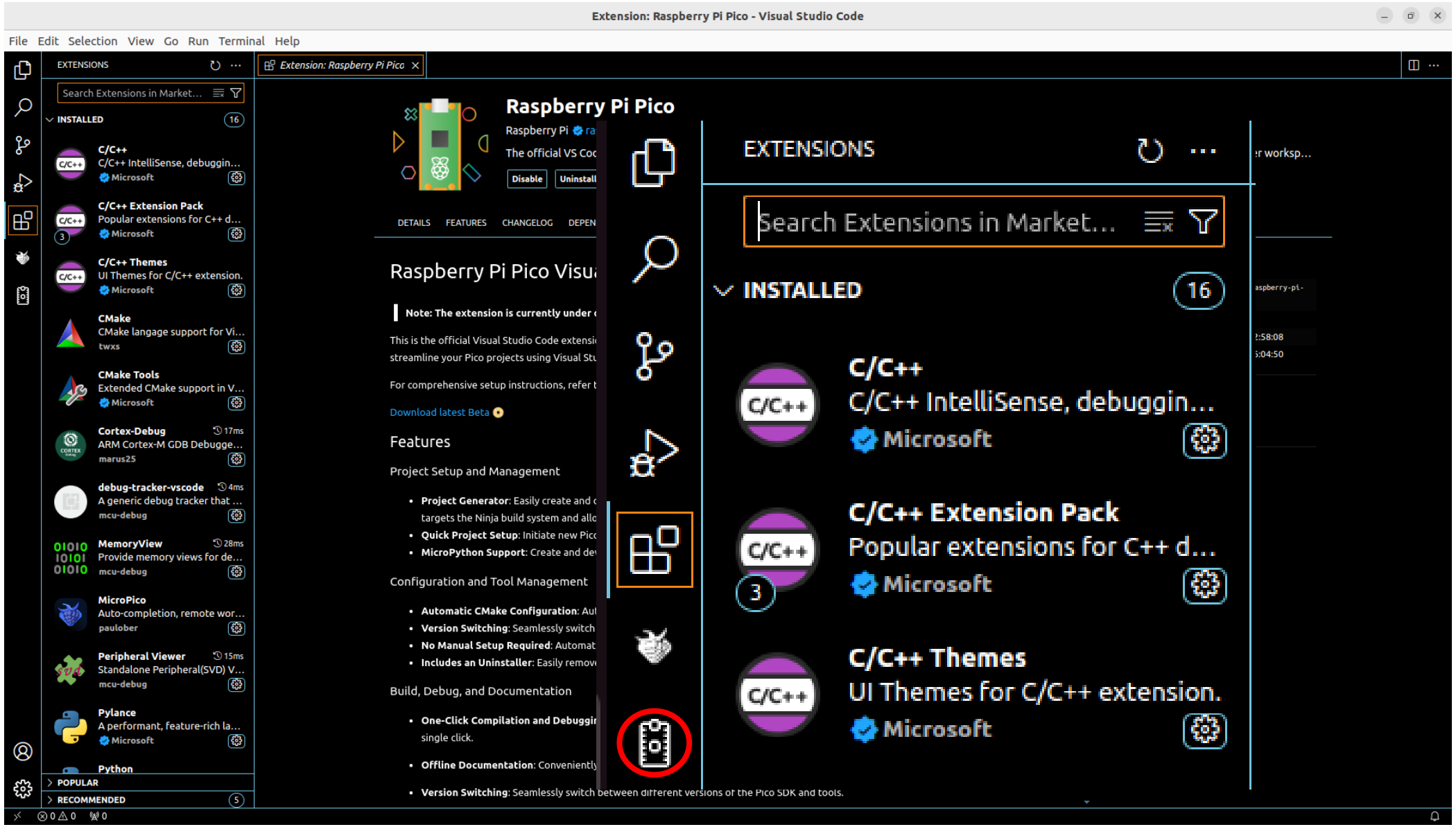
Install the Pico VS Code Extension



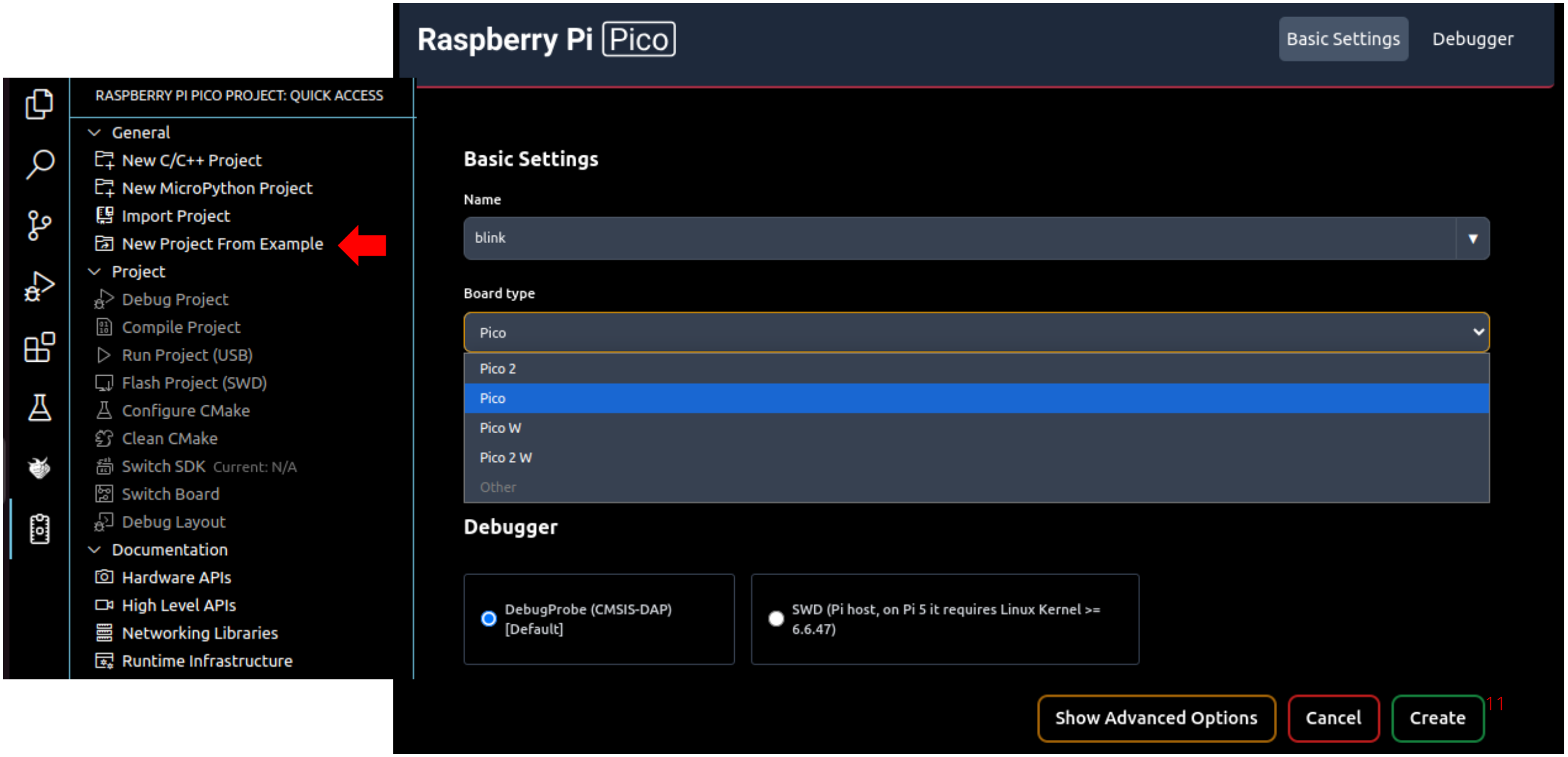
Install the Pico VS Code Extension



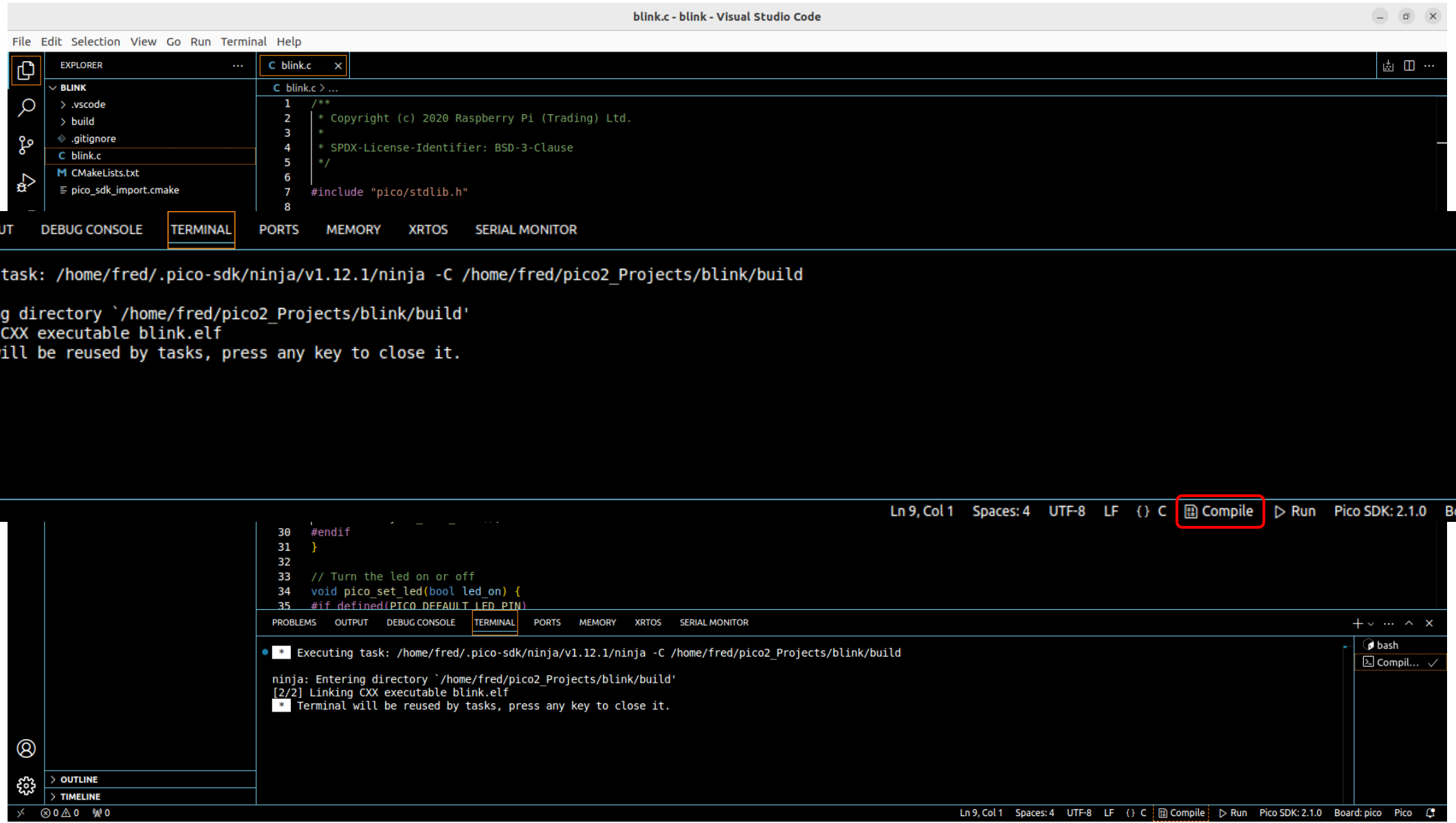
Install the Pico VS Code Extension



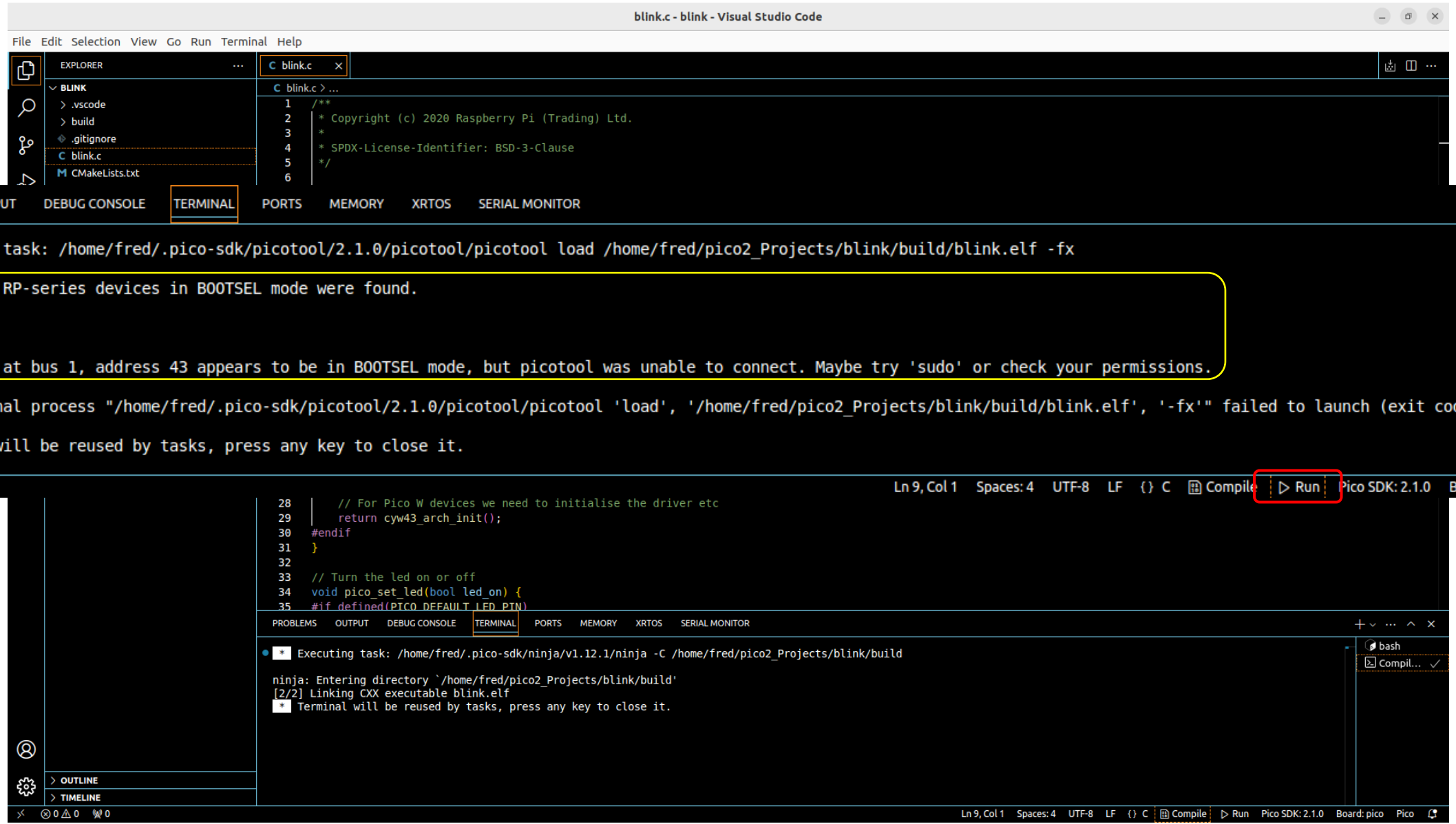
Load the *blink* Example



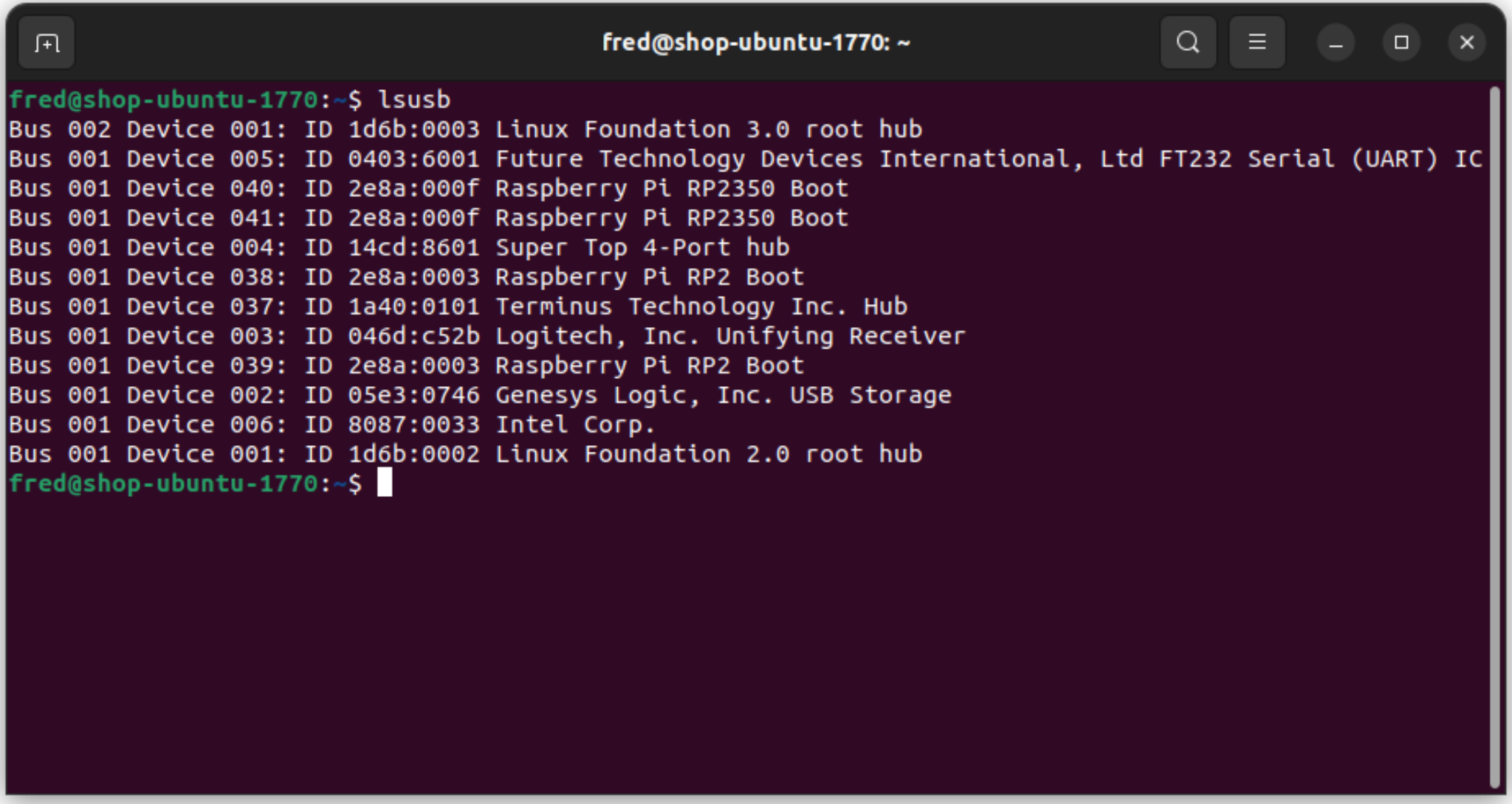
Compile the *blink* Example



Run the *blink* Example



Sense and Identify the Picos



Download and Place *99-picotool.rules*

raspberrypi / **picotool** Public

Code | Issues 13 | Pull requests 11 | Actions | Projects | Security | Insights

Files

master

Go to file

- .github
- bazel
- bintool
- clipp
- cmake
- elf
- elf2uf2
- errors
- json
- lib
- otp_header_parser
- picoboot_connection
- picoboot_flash_id
- udev
  - 99-picotool.rules
- xip_ram_perms

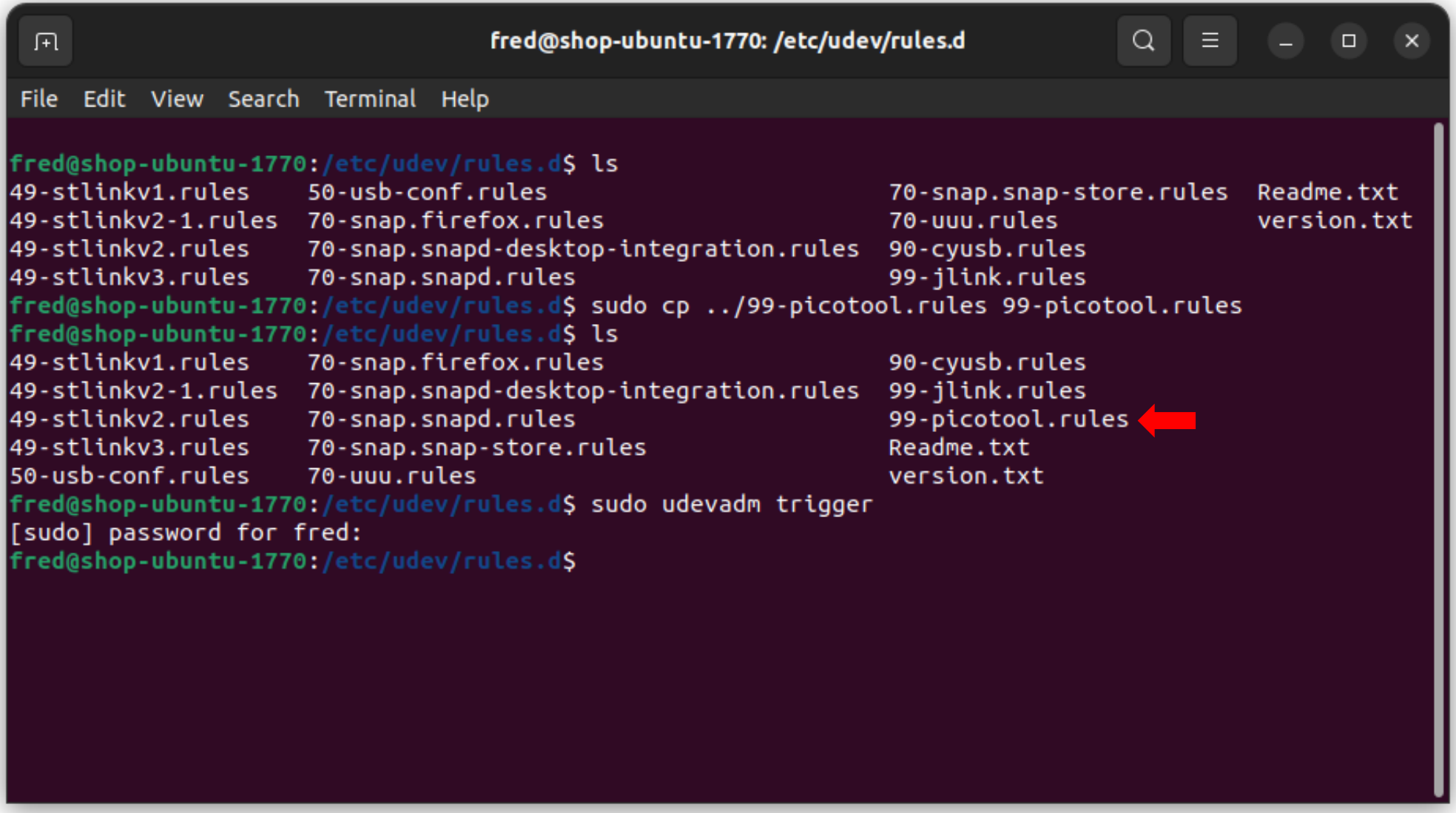
picotool / udev / 99-picotool.rules

kilograham release 2.0.0 - RP2350 and SDK2.0.0 changes

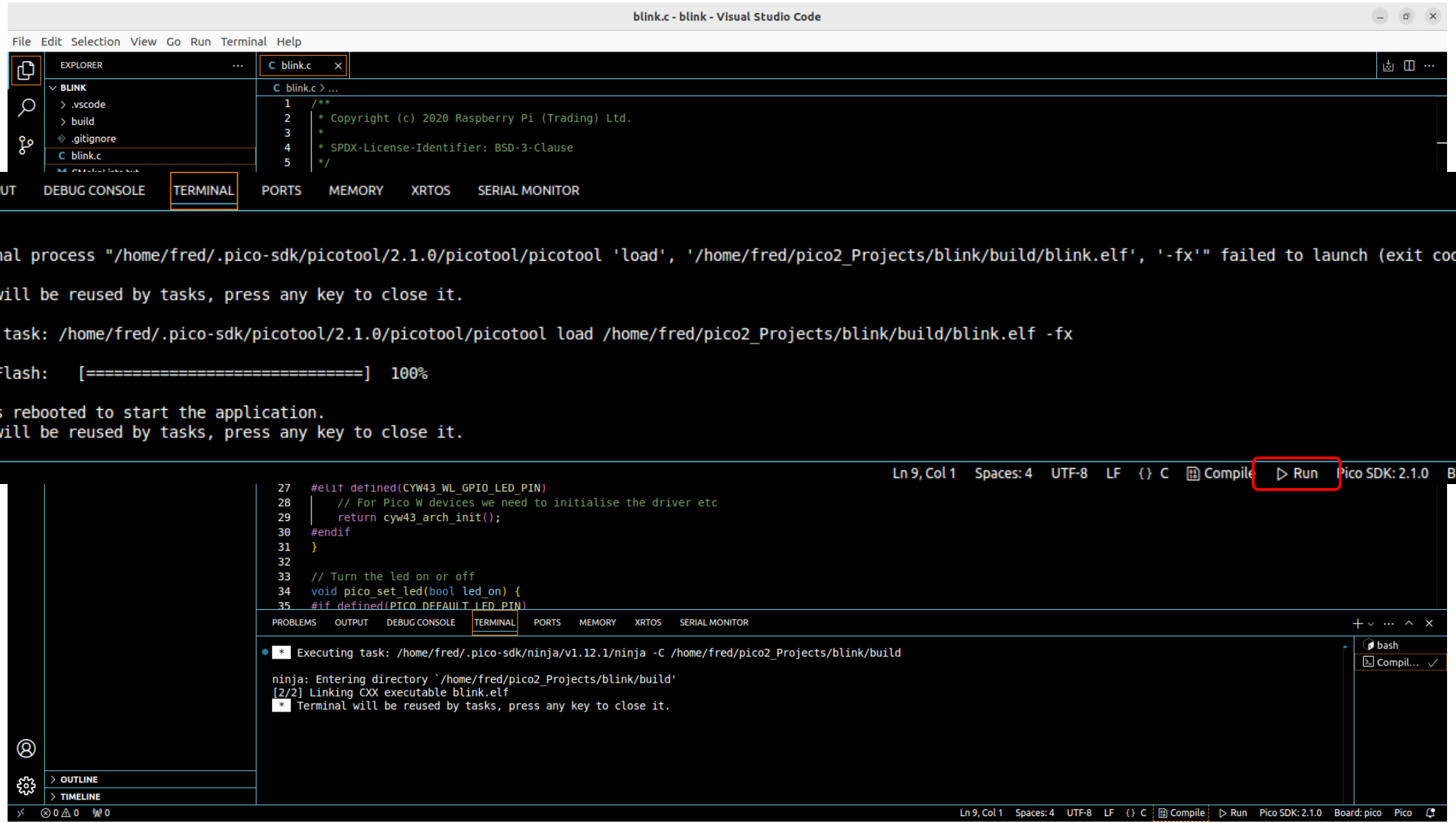
Code | Blame | 24 lines (24 loc) · 568 Bytes

```
1  SUBSYSTEM=="usb", \
2      ATTRS{idVendor}=="2e8a", \
3      ATTRS{idProduct}=="0003", \
4      TAG+="uaccess" \
5      MODE="660", \
6      GROUP="plugdev"
7  SUBSYSTEM=="usb", \
8      ATTRS{idVendor}=="2e8a", \
9      ATTRS{idProduct}=="0009", \
10     TAG+="uaccess" \
11     MODE="660", \
12     GROUP="plugdev"
13 SUBSYSTEM=="usb", \
14     ATTRS{idVendor}=="2e8a", \
15     ATTRS{idProduct}=="000a", \
16     TAG+="uaccess" \
17     MODE="660", \
18     GROUP="plugdev"
19 SUBSYSTEM=="usb", \
20     ATTRS{idVendor}=="2e8a", \
21     ATTRS{idProduct}=="000f", \
22     TAG+="uaccess" \
23     MODE="660", \
24     GROUP="plugdev"
```

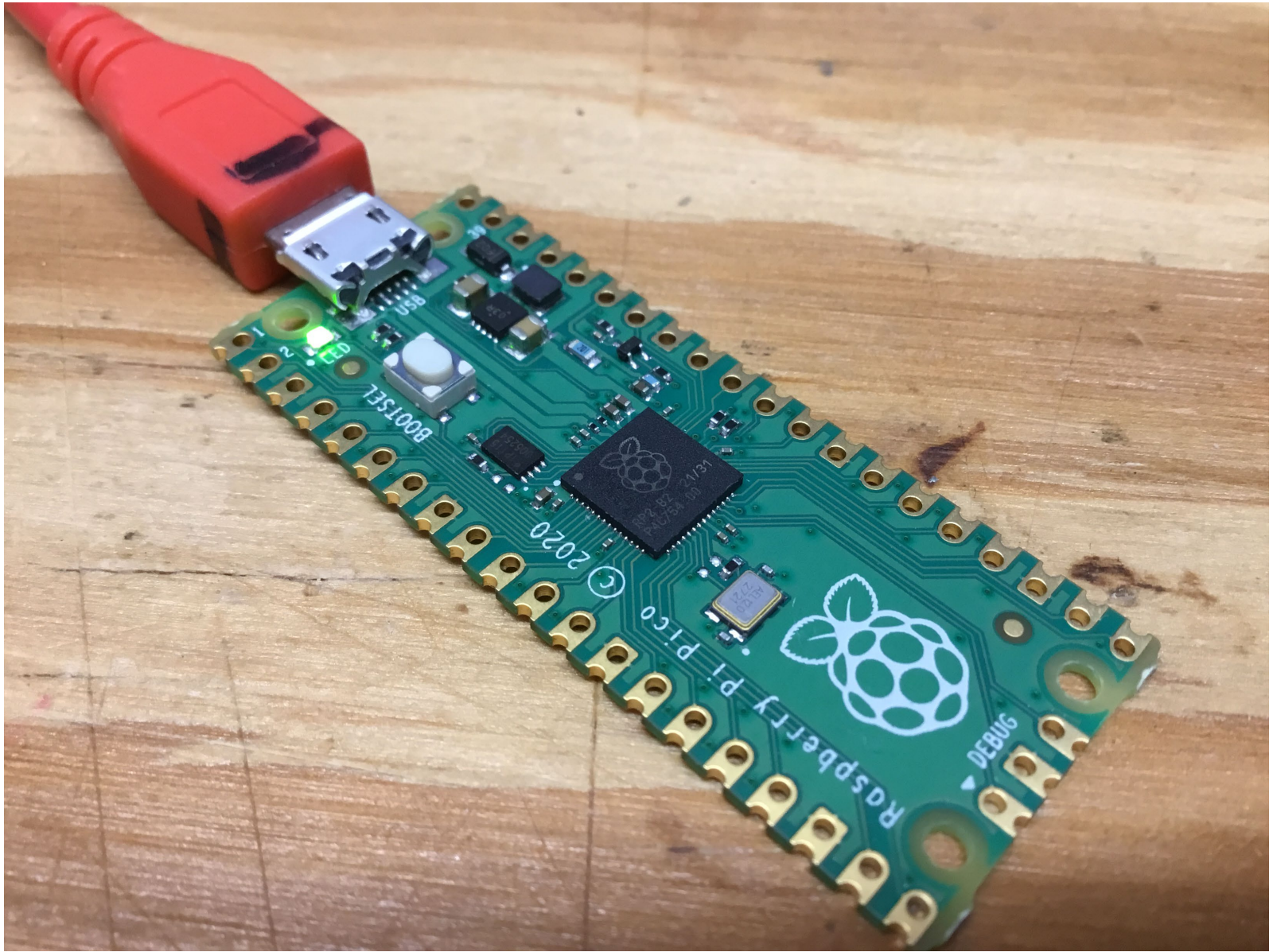
Download and Place *99-picotool.rules*



Run the *blink* Example.. Again



Trust Me.. It is blinking…



Next Time…

MORE TO COME..

Thank you for attending!!!

Please consider the resources below:

- Today's Download Package
- raspberrypi.org

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Thank You

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