

Arduino IDE 1.8.19

Ubuntu

2024

개발환경 apt 사용 (1)

- 운영체제
 - Ubuntu 22.04.4 LTS / jammy
 - 운영체제 Release ver. 확인
 - `lsb_release -a`

```
~$ lsb_release -a
```

```
No LSB modules are available.  
Distributor ID:      Ubuntu  
Description:         Ubuntu 22.04.4 LTS  
Release:             22.04  
Codename:             jammy
```

- Ubuntu 24.04.1 LTS
 - 동일 과정을 따름

- Arduino IDE 1.8.19 설치
 - `sudo apt install arduino`

```
~$ sudo apt update && sudo apt upgrade -y  
~$ sudo apt install Arduino
```

```
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  arduino-builder arduino-core-avr arduino-ctags avr-libc avrdude  
binutils-avr default-jre default-jre-headless extra-xdg-menus gcc-avr  
java-wrappers libapache-pom-java libstylej-jni  
...
```

```
After this operation, 365 MB of additional disk space will be used.  
Do you want to continue? [Y/n] Y
```

```
Get:1 https://mirror.kakao.com/ubuntu jammy/universe amd64 arduino-  
ctags amd64 5.8-arduino11-1 [123 kB]  
Get:2 https://mirror.kakao.com/ubuntu jammy/universe amd64 arduino-  
builder amd64 1.3.25-3 [902 kB]  
Get:3 https://mirror.kakao.com/ubuntu jammy/universe amd64 binutils-  
avr amd64 2.26.20160125+Atmel3.6.2-4 [1,697 kB]  
Get:4 https://mirror.kakao.com/ubuntu jammy/universe amd64 gcc-avr  
amd64 1:5.4.0+Atmel3.6.2-3 [17.2 MB]  
...
```

```
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...  
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
```

개발환경 apt 사용 (2)

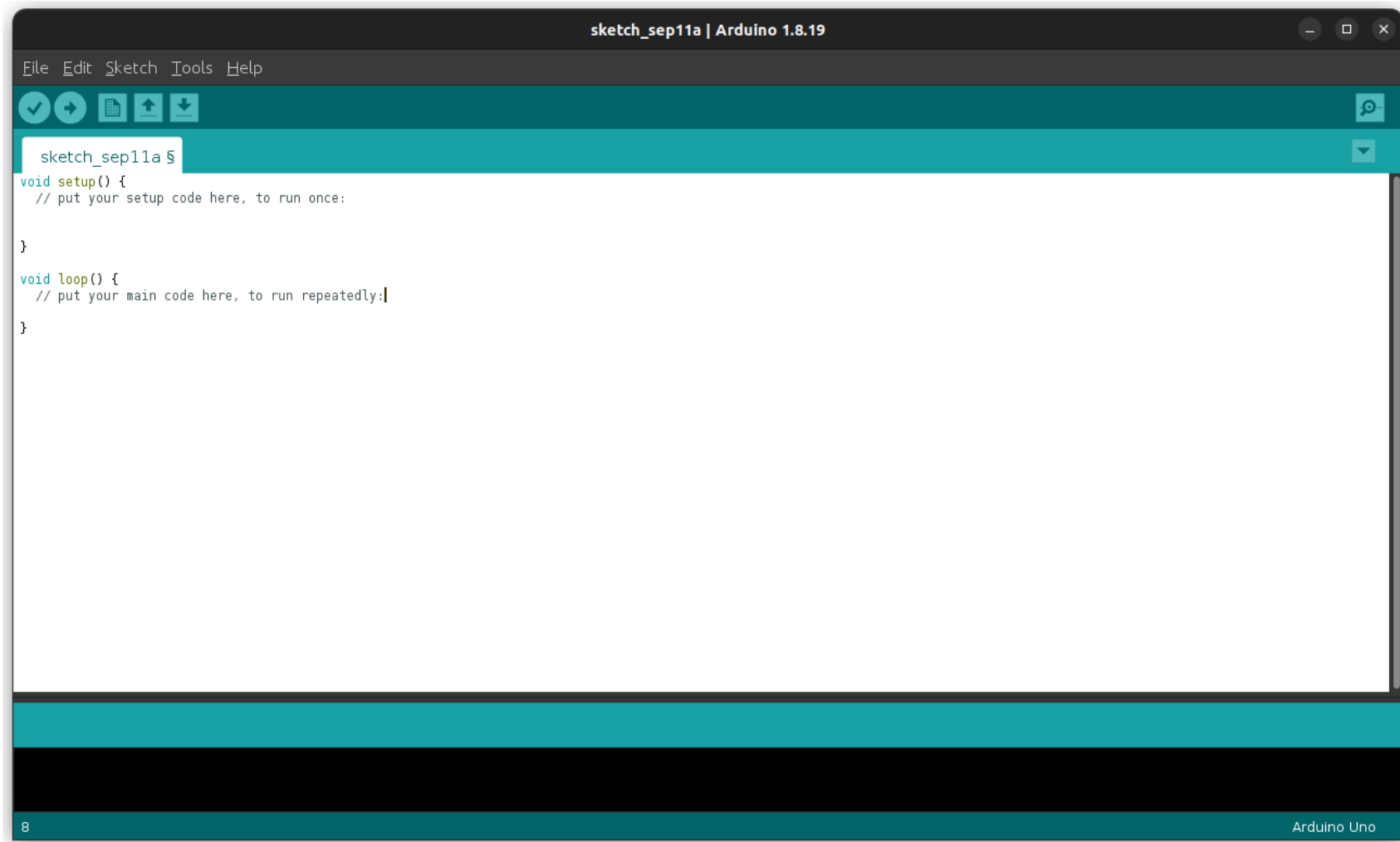
- Arduino IDE 1.8.19 버전 확인
 - ~\$ arduino --version

```
~$ arduino -version
```

```
Picked up JAVA_TOOL_OPTIONS:  
Loading configuration...  
Initializing packages...  
Preparing boards...  
Arduino: 1.8.19
```

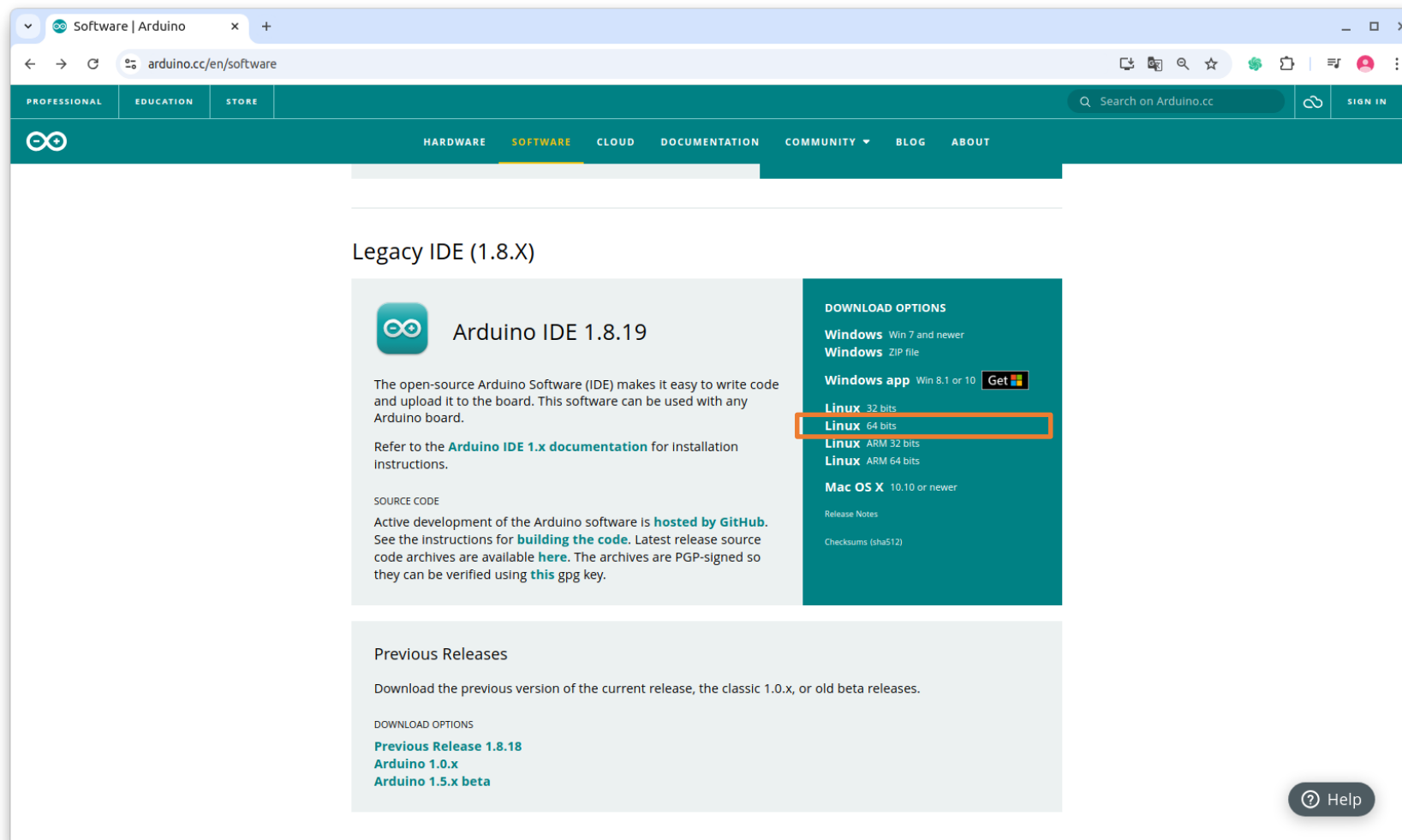
개발환경 apt 사용 (3)

- Arduino IDE 1.8.19 실행
 - ~\$ arduino



개발환경 직접 설치 (1)

- Arduino IDE 1.8.19
 - <https://www.arduino.cc/en/software>
- **Linux** 64 bits 선택



개발환경 직접 설치 (2)

- Arduino IDE 1.8.19 다운로드
 - JUST DOWNLOAD 선택

Download Arduino IDE & support its progress

Since the 1.x release in March 2015, the Arduino IDE has been downloaded **86,202,776** times — impressive! Help its development with a donation.

\$3

\$5

\$10

\$25

\$50

Other

CONTRIBUTE AND DOWNLOAD

or

JUST DOWNLOAD



Learn more about [donating to Arduino](#).

- JUST DOWNLOAD 선택

Stay in the Loop: Join Our Newsletter!

As a beginner or advanced user, you can find inspiring projects and learn about cutting-edge Arduino products through our **weekly newsletter!**


☐ I confirm to have read the [Privacy Policy](#) and to accept the [Terms of Service](#) *

☐ I would like to receive emails about special deals and commercial offers from Arduino.

SUBSCRIBE & DOWNLOAD

or

JUST DOWNLOAD



개발환경 직접 설치 (3)

- Arduino IDE 1.8.19 압축 풀기
 - 다운로드한 폴더로 이동
 - 다운로드한 파일 `arduino-1.8.19-linux64.tar.xz` 이 폴더 Download 내에 존재하는 경우
 - `~/Download$ tar -xvf arduino-1.8.19-linux64.tar.xz`

```
~/Download$ tar -xvf arduino-1.8.19-linux64.tar.xz
```

```
arduino-1.8.19/  
arduino-1.8.19/arduino-linux-setup.sh  
arduino-1.8.19/lib/  
arduino-1.8.19/lib/version.txt  
arduino-1.8.19/lib/commons-io-2.6.jar  
arduino-1.8.19/lib/public.gpg.key  
arduino-1.8.19/lib/arduino-core.jar  
arduino-1.8.19/lib/batik-svg-dom-1.8.jar
```

```
...
```

```
arduino-1.8.19/tools/WiFi101/tool/firmwares/NINA/1.4.5/NINA_W102.bin  
arduino-1.8.19/tools/WiFi101/tool/firmwares/NINA/1.4.5/NINA_W102-  
Uno_WiFi_Rev2.bin  
arduino-1.8.19/tools/WiFi101/tool/firmwares/NINA/1.4.4/  
arduino-1.8.19/tools/WiFi101/tool/firmwares/NINA/1.4.4/NINA_W102.bin  
arduino-1.8.19/tools/WiFi101/tool/firmwares/NINA/1.4.4/NINA_W102-  
Uno_WiFi_Rev2.bin
```

- Arduino IDE 1.8.19 설치
 - 압축해제한 폴더로 이동
 - 폴더 `arduino-1.8.1`로 이동
 - `install.sh` 실행
 - `sudo ./install.sh`

```
~/Download/arduino-1.8.19$ sudo ./install.sh  
[sudo] password for ...:  
Adding desktop shortcut, menu item and file associations for Arduino  
IDE...  
  
done!
```

개발환경 직접 설치 (4)

- Arduino IDE 1.8.19 버전 확인
 - ~\$ arduino --version

```
~$ arduino -version
```

```
Picked up JAVA_TOOL_OPTIONS:  
Loading configuration...  
Initializing packages...  
Preparing boards...  
Arduino: 1.8.19
```


개발환경 직접 설치 (5)

- Arduino IDE 1.8.19 실행
 - ~\$ arduino

