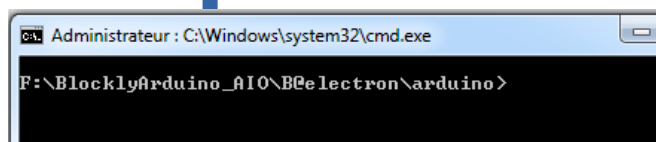
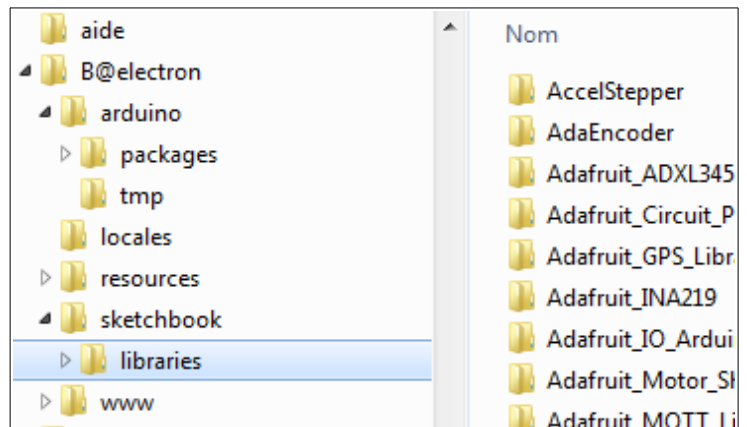
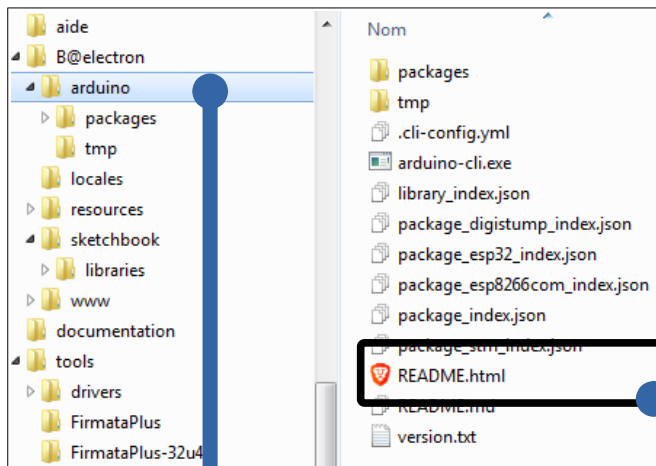
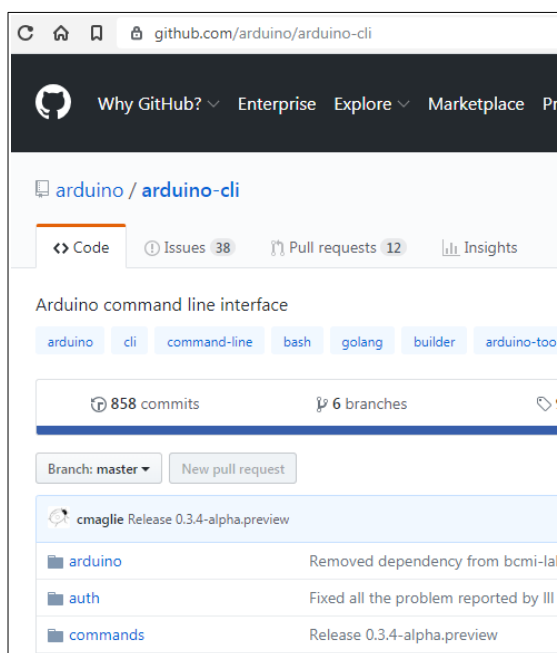
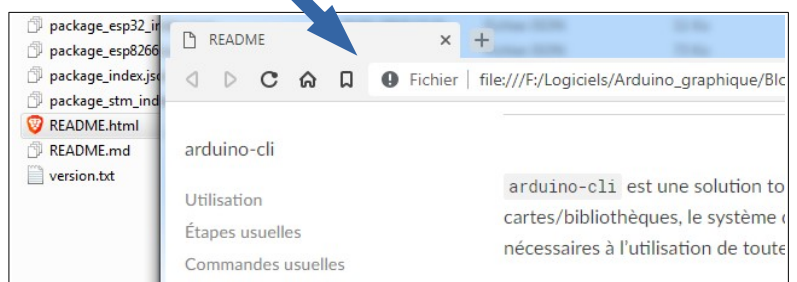


CLI



```
arduino-cli core update-index
arduino-cli board list
arduino-cli core list
arduino-cli compile --fqbn arduino: ...
arduino-cli upload -p COMx --fqbn arduino: ...
arduino-cli lib install "WiFi101"
arduino-cli lib upgrade
```



<https://github.com/arduino/arduino-cli>

STM32, ESP8266, ESP32, WEMOS D1 MINI, WEEDUINO, ETC

```
# arduino-cli core update-index
Updating index: package_index.json downloaded
Updating index: package_esp8266com_index.json downloaded
Updating index: package_stm_index.json downloaded
Updating index: package_esp32_index.json downloaded
Updating index: package_digistump_index.json downloaded

# arduino-cli core search arduino
Searching for platforms matching 'arduino'

ID                Version      Name
Intel:arc32        2.0.4        Intel Curie Boards
arduino:avr         1.6.23       Arduino AVR Boards
arduino:megaavr     1.6.24       Arduino megaAVR Boards
arduino:nrf52       1.0.2        Arduino nRF52 Boards
arduino:sam         1.6.11       Arduino SAM Boards (32-bits ARM Cortex-M3)
arduino:samd        1.6.20       Arduino SAMD Boards (32-bits ARM Cortex-M0+)
arduino:samd_beta  1.6.25       Arduino SAMD Beta Boards (32-bits ARM Cortex-M0+)
arduino:stm32f4     1.0.1        Arduino STM32F4 Boards
esp8266:esp8266    2.5.0        esp8266
littleBits:avr     1.0.0        littleBits Arduino AVR Modules

# arduino-cli core install esp8266:esp8266
Downloading esp8266:esptool@2.5.0-3-20ed2b9...
esp8266:esptool@2.5.0-3-20ed2b9 downloaded
Downloading esp8266:xtensa-lx106-elf-gcc@2.5.0-3-20ed2b9...
esp8266:xtensa-lx106-elf-gcc@2.5.0-3-20ed2b9 downloaded
Downloading esp8266:mkspiffs@2.5.0-3-20ed2b9...
esp8266:mkspiffs@2.5.0-3-20ed2b9 downloaded
Downloading esp8266:esp8266@2.5.0-beta3...
esp8266:esp8266@2.5.0-beta3 downloaded
Installing esp8266:esptool@2.5.0-3-20ed2b9...
esp8266:esptool@2.5.0-3-20ed2b9 installed
Installing esp8266:xtensa-lx106-elf-gcc@2.5.0-3-20ed2b9...
esp8266:xtensa-lx106-elf-gcc@2.5.0-3-20ed2b9 installed
Installing esp8266:mkspiffs@2.5.0-3-20ed2b9...
esp8266:mkspiffs@2.5.0-3-20ed2b9 installed
Installing esp8266:esp8266@2.5.0-beta3...
esp8266:esp8266@2.5.0-beta3 installed

#
```