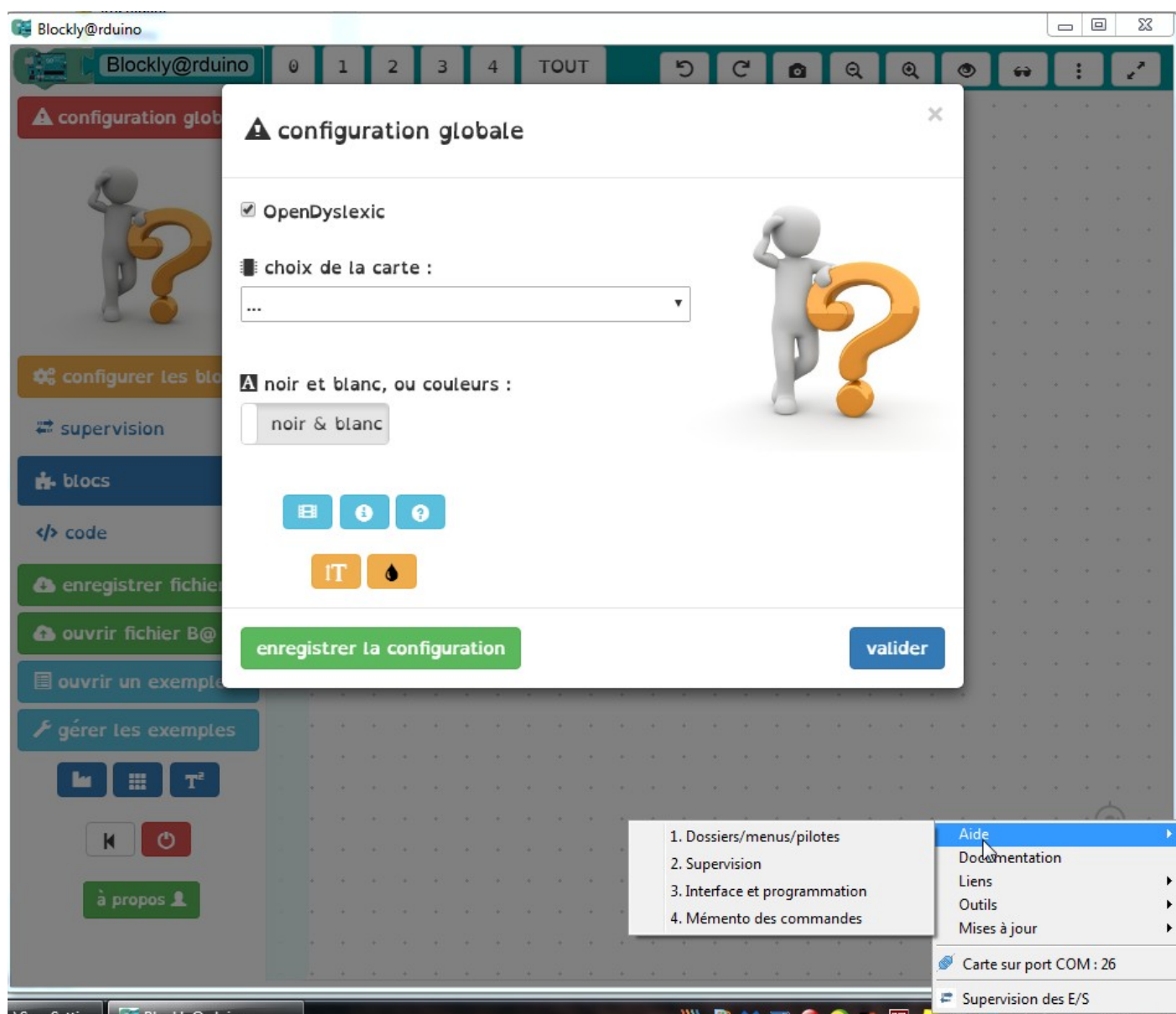
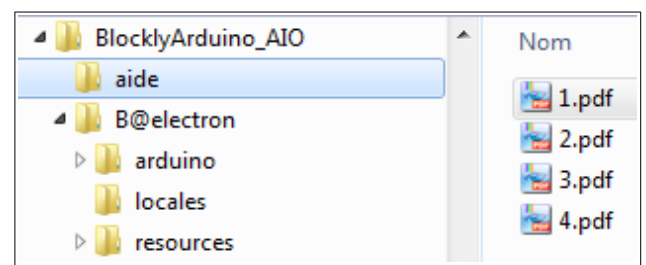
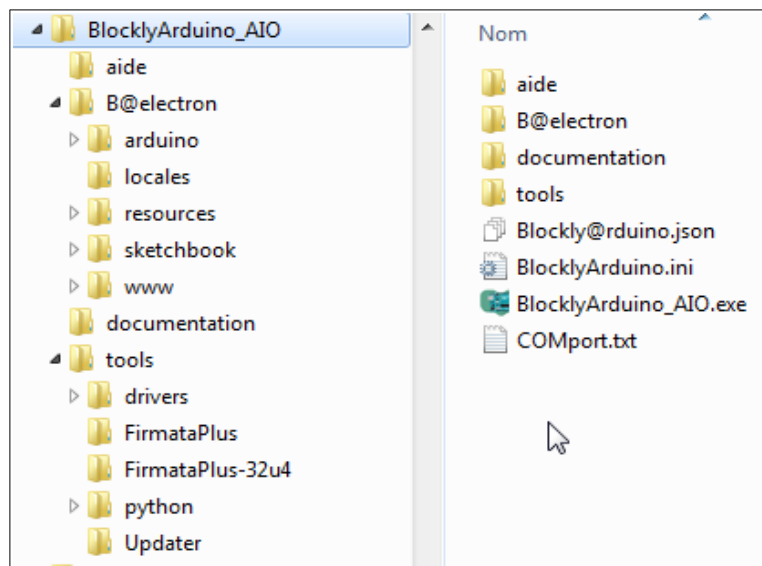


Blockly@rduino 'All In One'.....	1
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Outils / Tools.....	6
Interface.....	7
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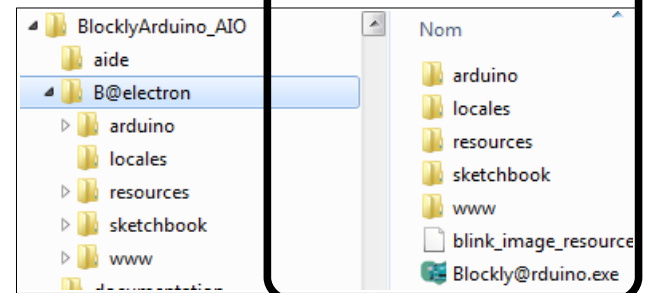




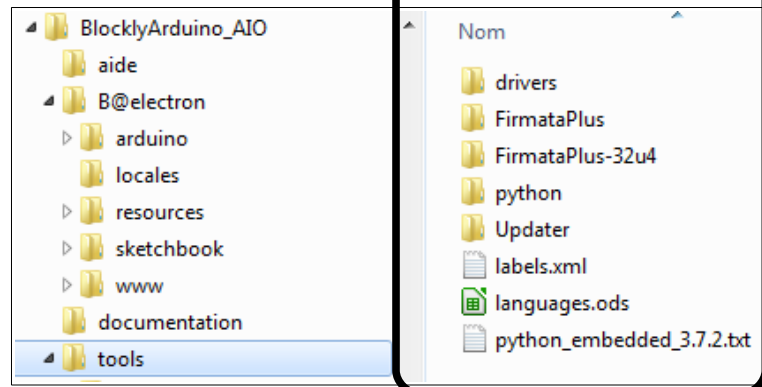
DOSSIERS / FOLDERS



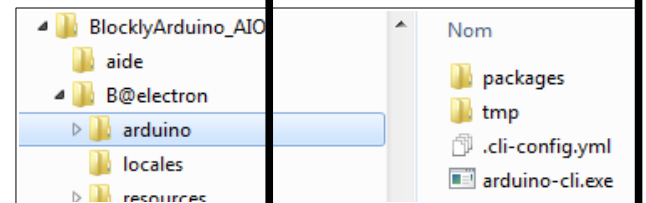
Blockly@arduino portable



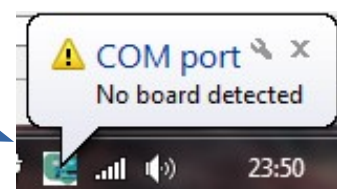
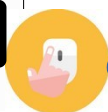
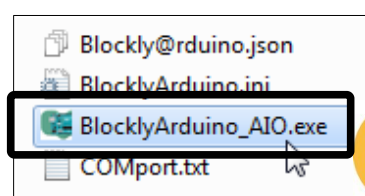
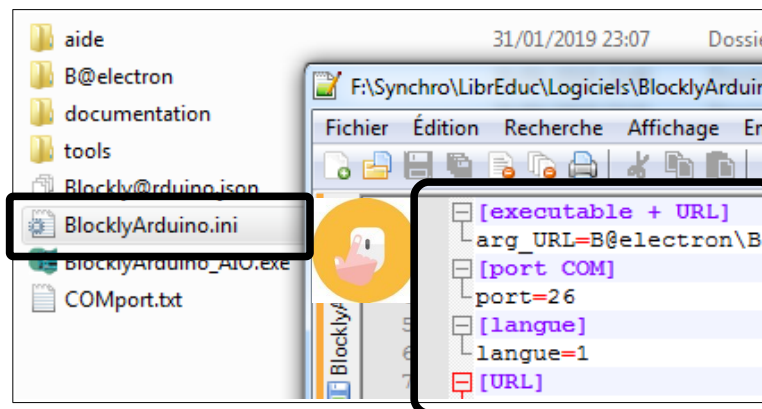
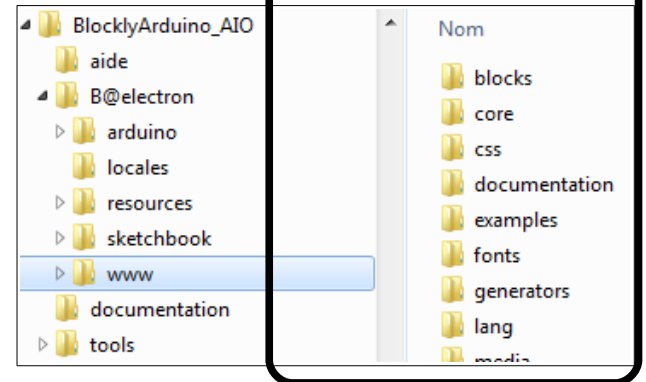
Communication



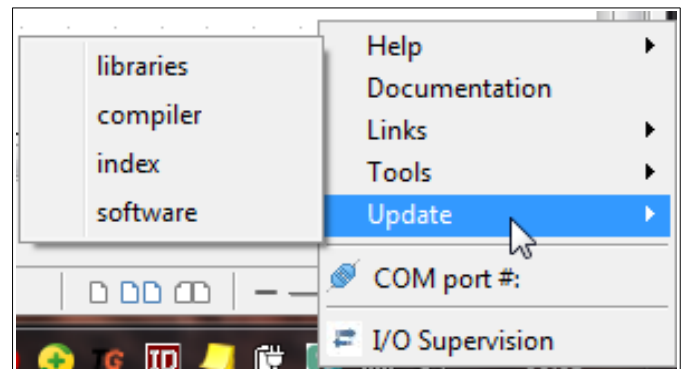
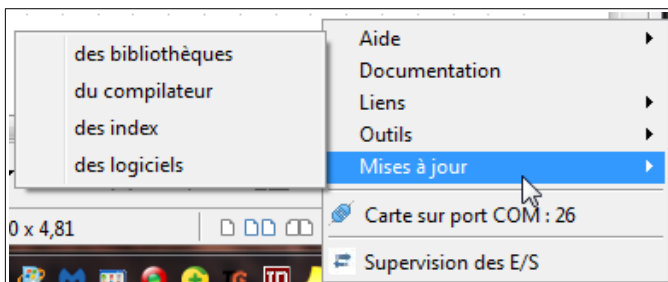
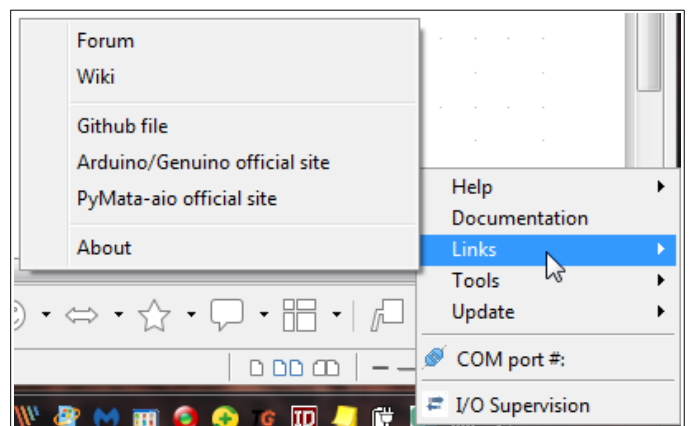
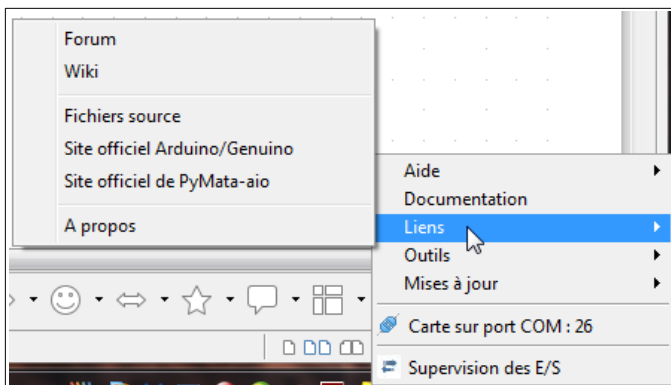
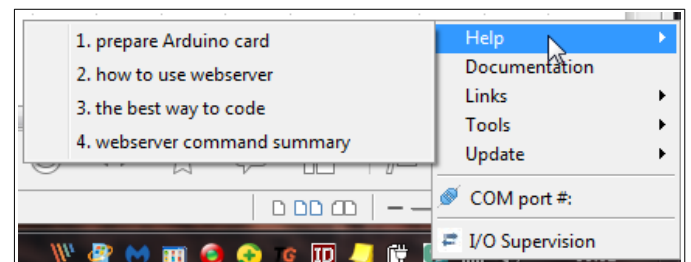
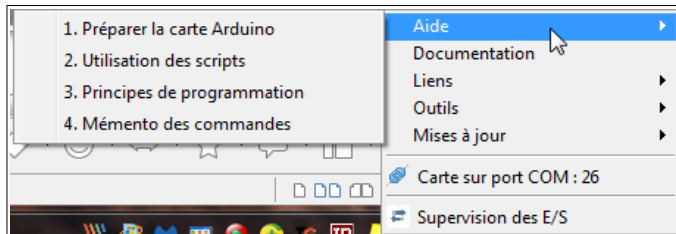
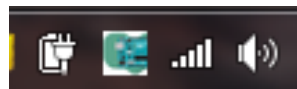
Arduino Command Line



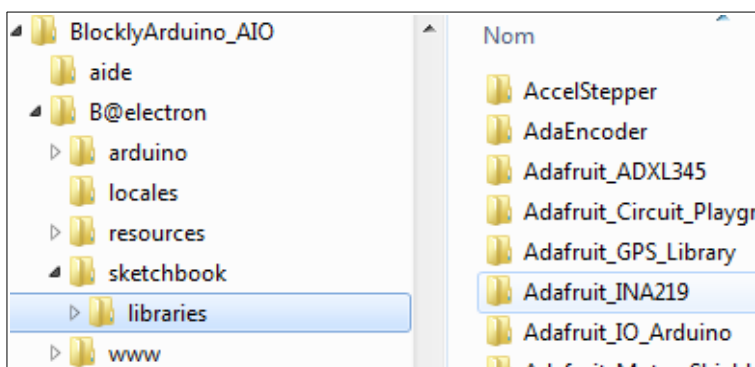
Blockly@arduino



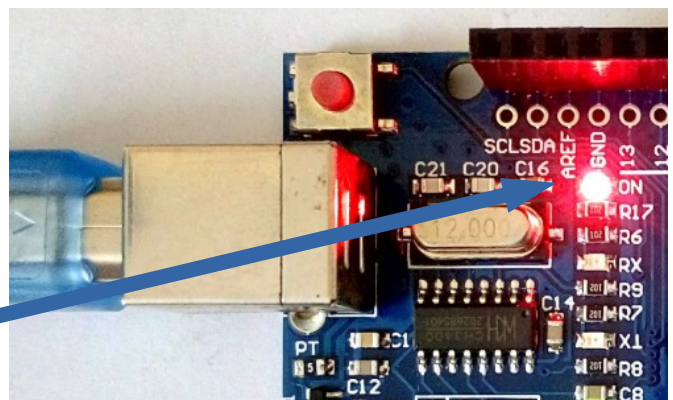
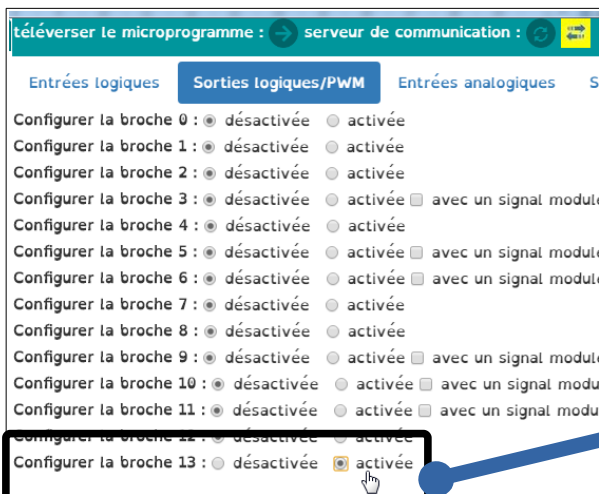
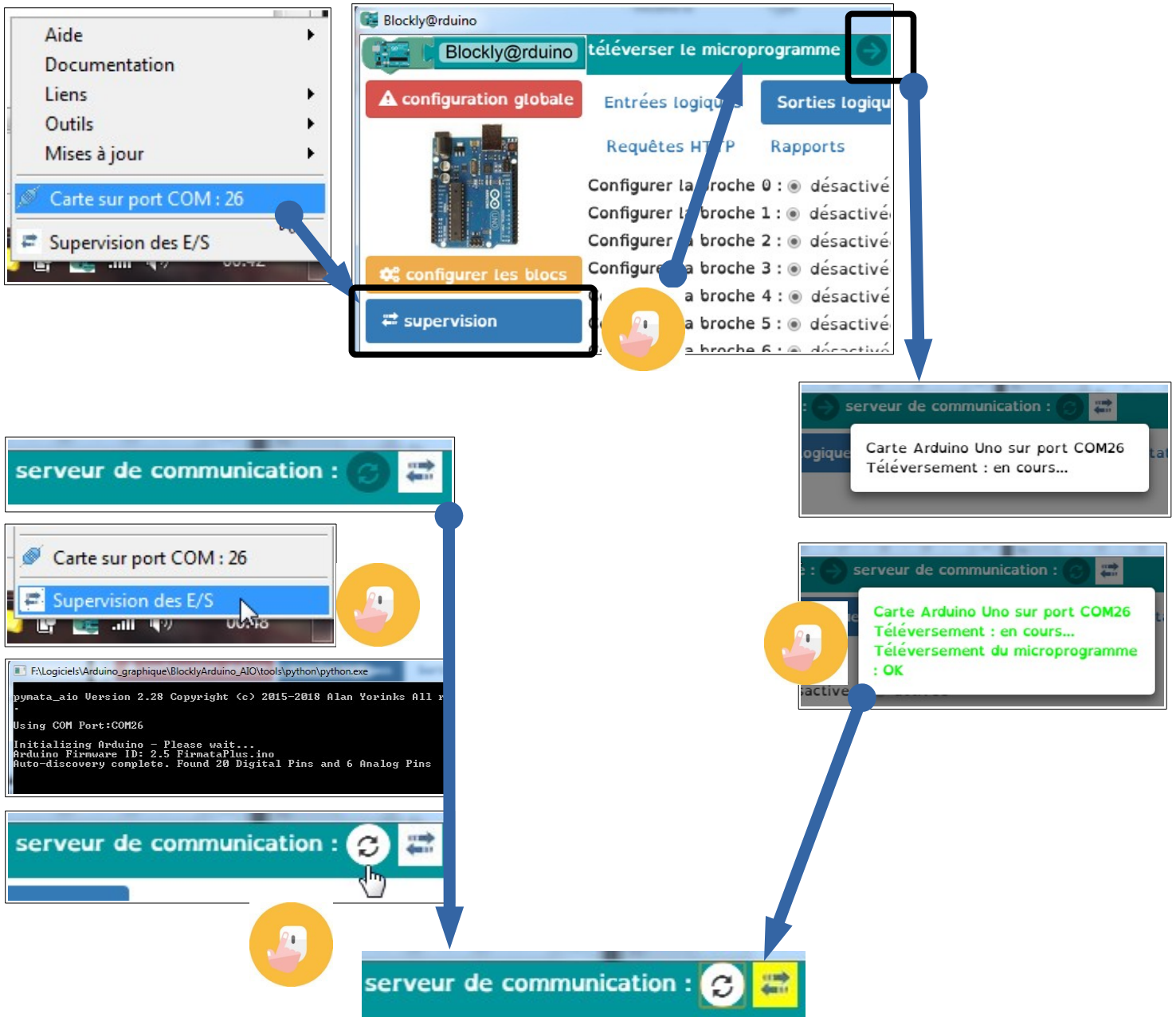
BARRE DES TÂCHES / TRAY ICON



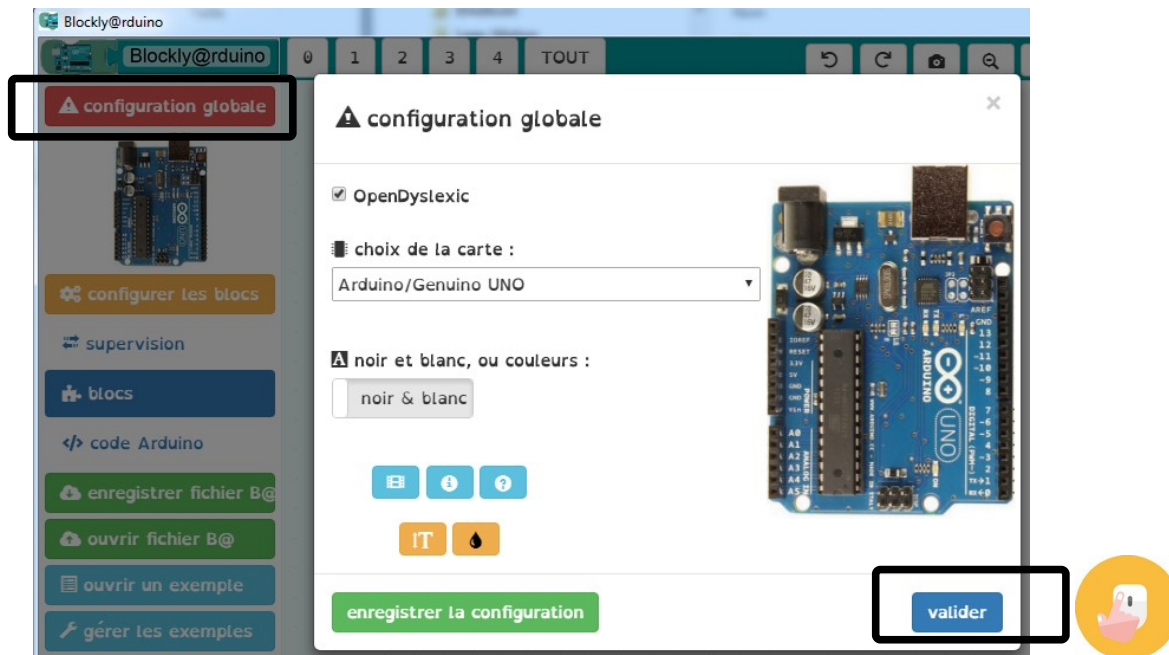
BIBLIOTHÈQUES / LIBRARIES



FIRMATAPLUS



CONFIGURATION



configuration globale

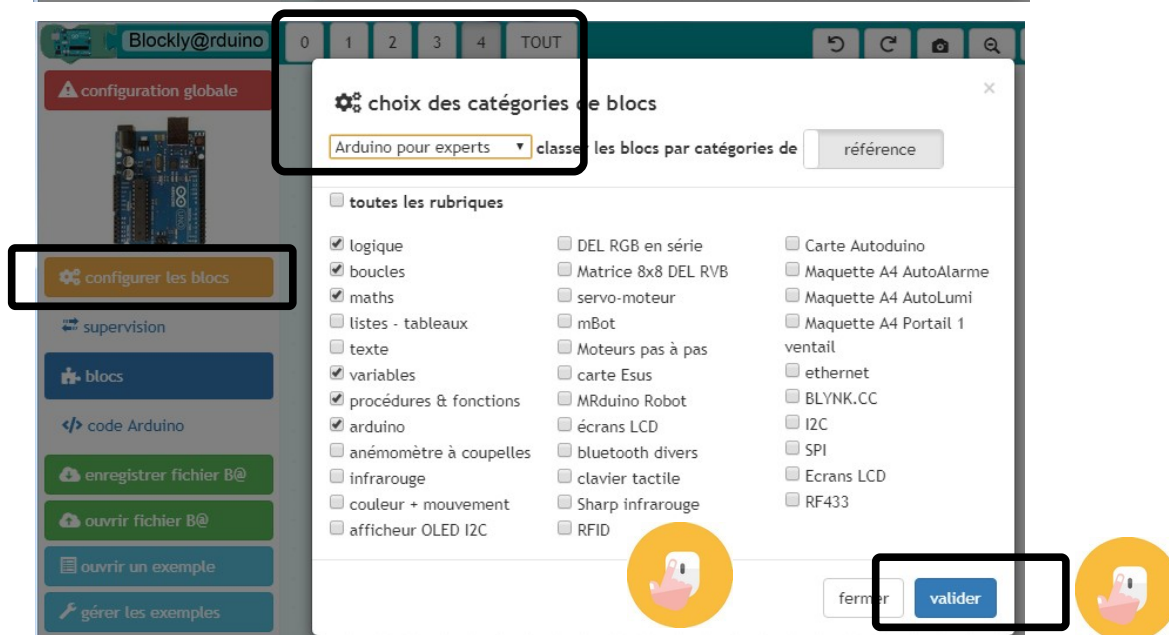
☒ OpenDyslexic

choix de la carte :
Arduino/Genuino UNO

noir et blanc, ou couleurs :
☐ noir & blanc

enregistrer la configuration

valider



choix des catégories de blocs

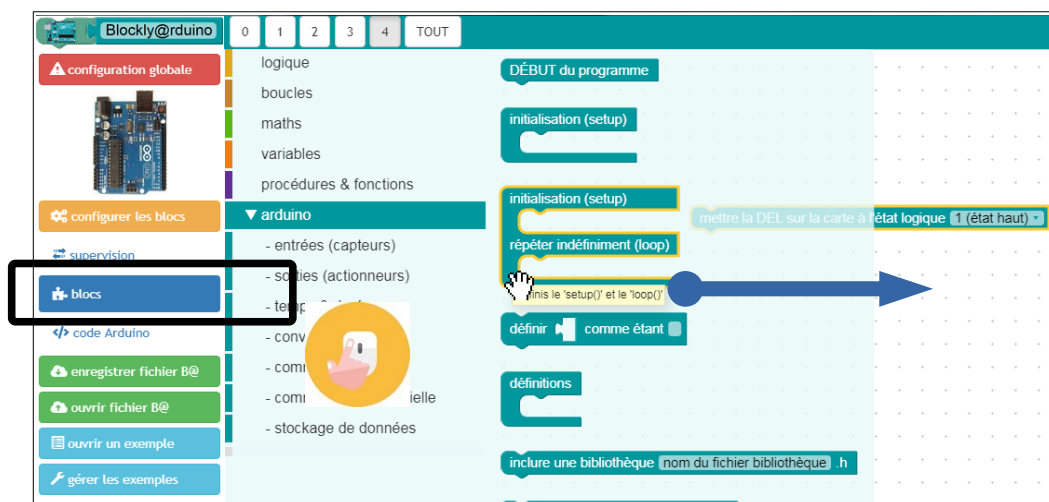
choix des catégories de blocs :
Arduino pour experts

classer les blocs par catégories de :
référence

☐ toutes les rubriques

- ☒ logique
- ☒ boucles
- ☒ maths
- ☐ listes - tableaux
- ☐ texte
- ☒ variables
- ☒ procédures & fonctions
- ☒ arduino
- ☐ anémomètre à coupelles
- ☐ infrarouge
- ☐ couleur + mouvement
- ☐ afficheur OLED I2C
- ☐ DEL RGB en série
- ☐ Matrice 8x8 DEL RVB
- ☐ servo-moteur
- ☐ mBot
- ☐ Moteurs pas à pas
- ☐ carte Esus
- ☐ MRduino Robot
- ☐ écrans LCD
- ☐ bluetooth divers
- ☐ clavier tactile
- ☐ Sharp infrarouge
- ☐ RFID
- ☐ Carte Autoduino
- ☐ Maquette A4 AutoAlarme
- ☐ Maquette A4 AutoLumi
- ☐ Maquette A4 Portail 1
- ☐ ventail
- ☐ ethernet
- ☐ BLYNK.CC
- ☐ I2C
- ☐ SPI
- ☐ Ecrans LCD
- ☐ RF433

valider



blocs

- logique
- boucles
- maths
- variables
- procédures & fonctions
- arduino
 - entrées (capteurs)
 - sorties (actionneurs)
 - température
 - conversion
 - communication
 - stockage de données

DÉBUT du programme

initialisation (setup)

initialisation (setup)

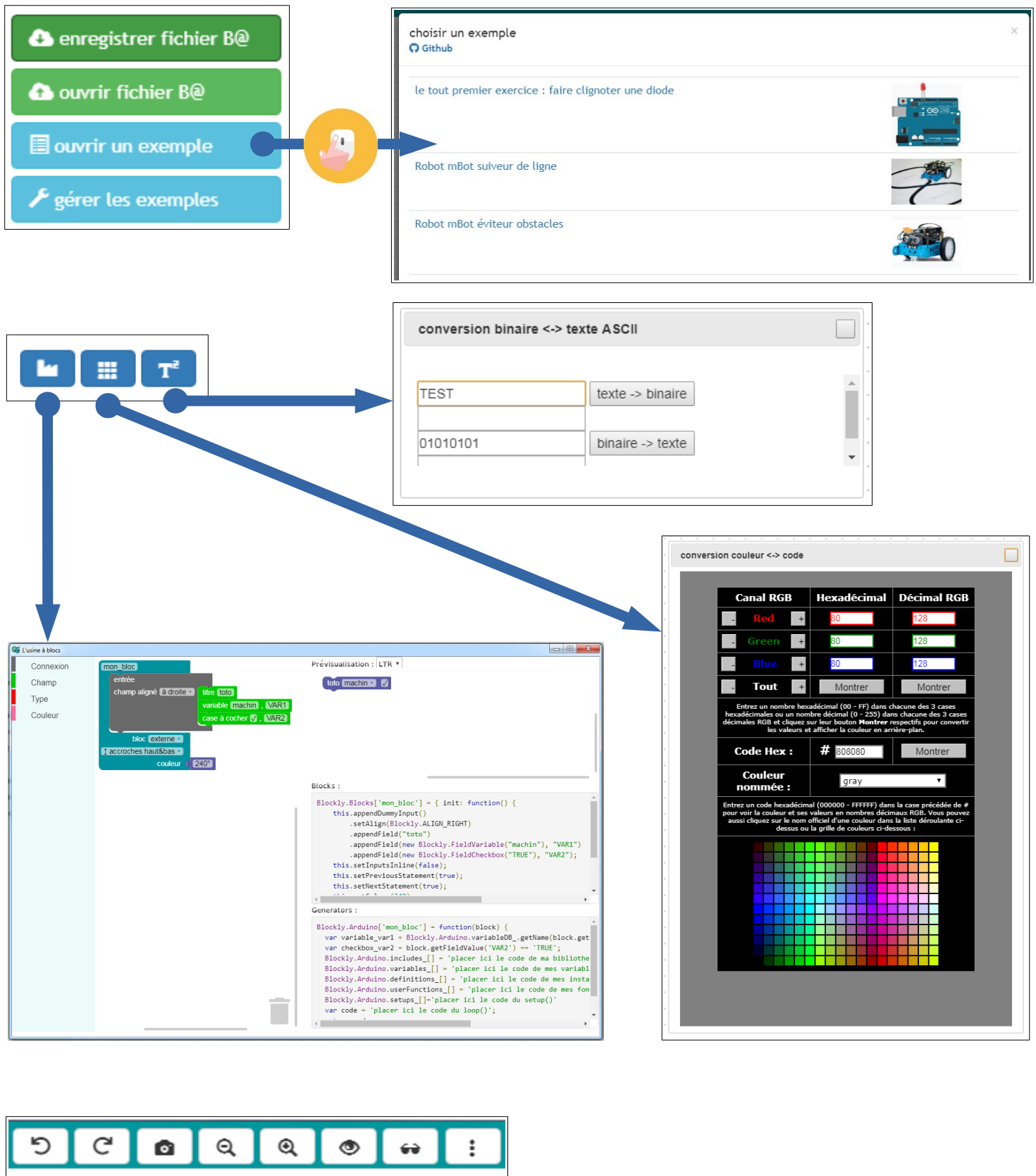
répéter indéfiniment (loop)

définir comme étant

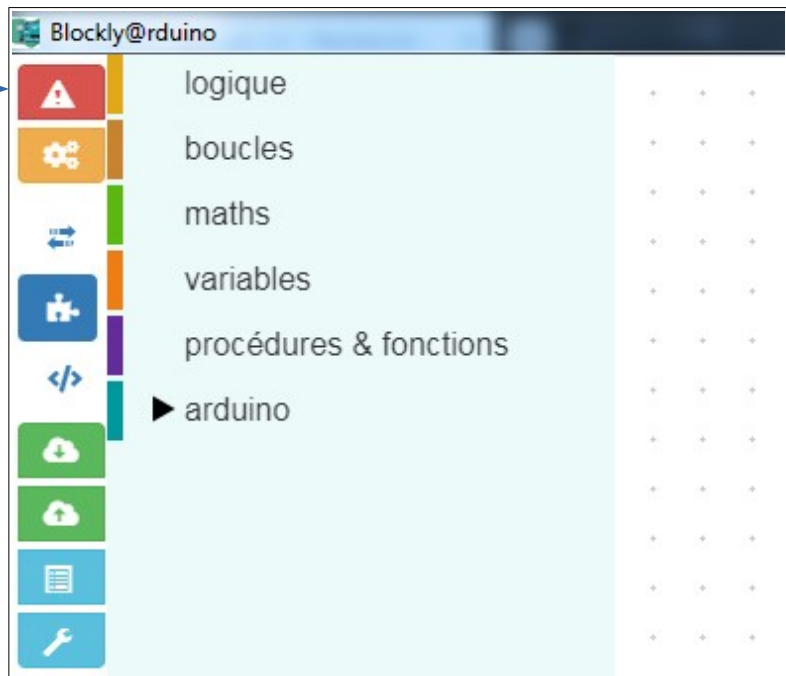
définitions

inclure une bibliothèque

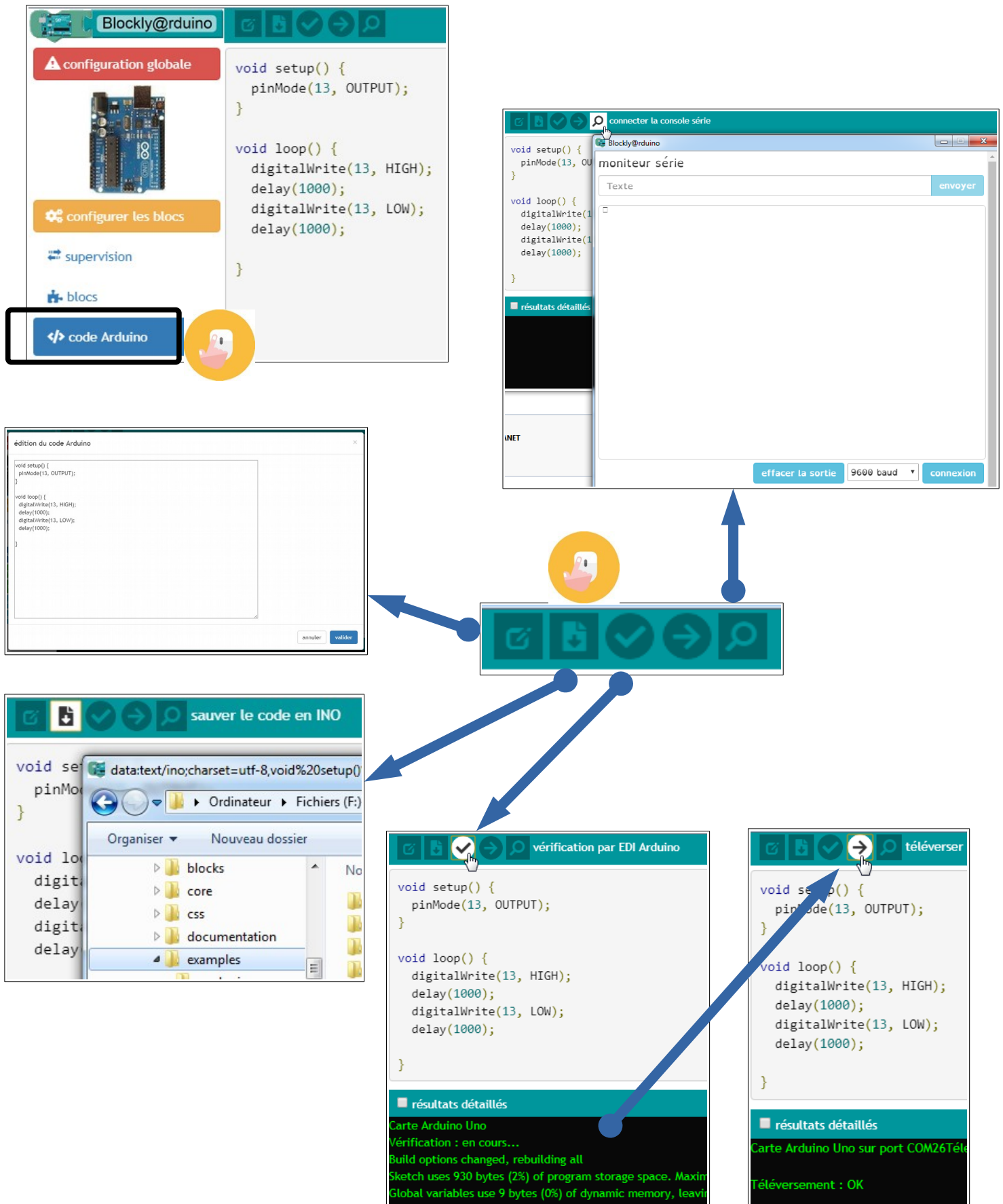
OUTILS / TOOLS



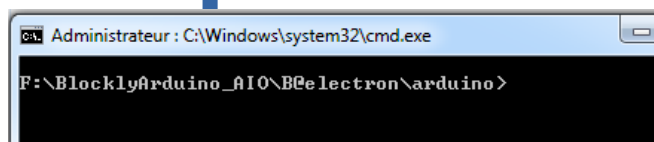
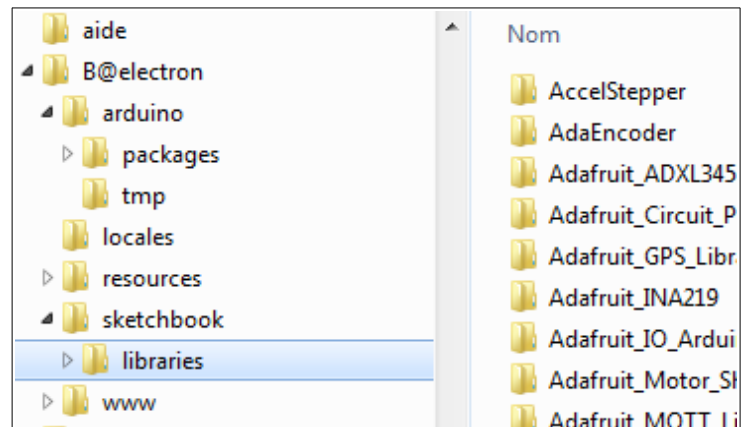
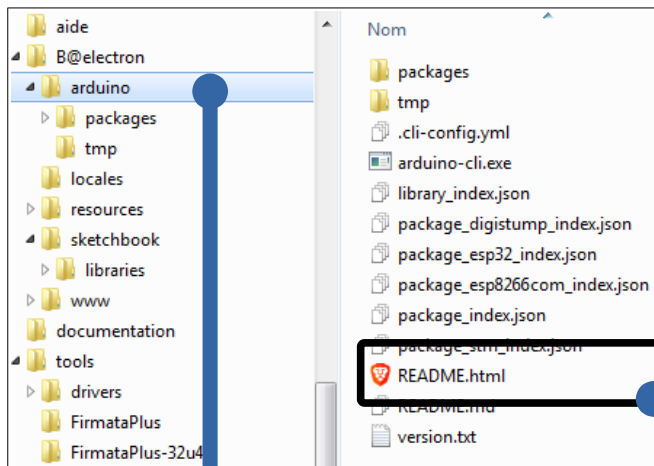
INTERFACE



TÉLÉVERSEMENT / UPLOAD



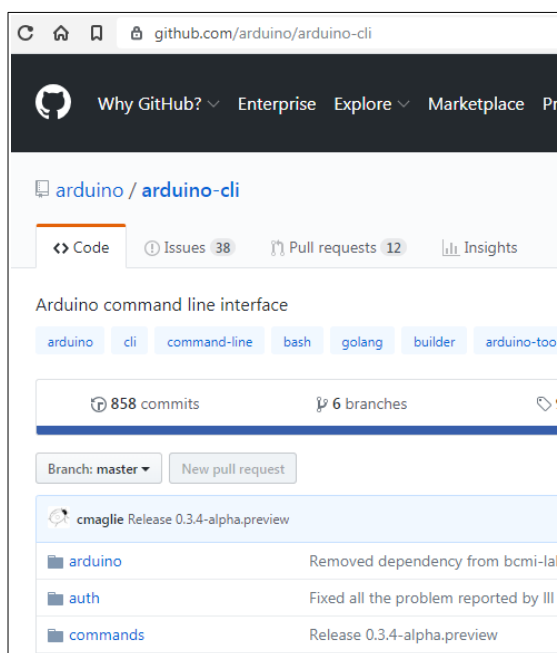
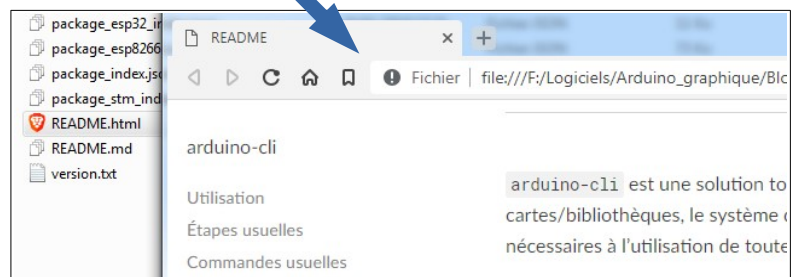
CLI



```

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

#
```