0.1 FROM ARDUBLOCKLY TO ARDUINOIDE

0.1.1 Tasks:

1. Make a really basic program with easy task like it is shown on fig. 1.

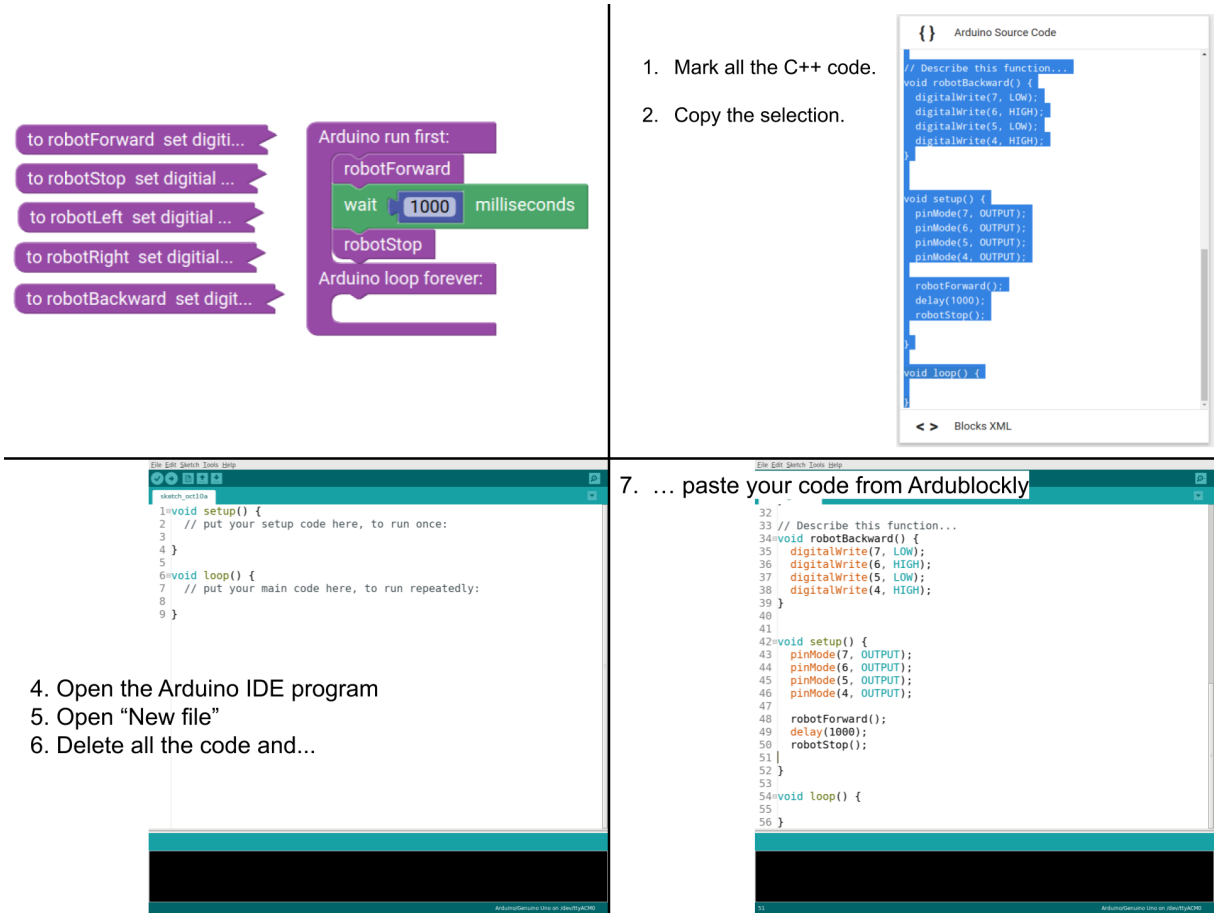

Figure 1: How to copy c++ code from Ardublockly?

2. Open the Arduino IDE program.
3. Copy-Paste all the c++ code from Ardublockly into Arduino IDE.
4. Experiment with the c++ code.

0.1.2 Questions:

1. Why we need to compile the programming code?
2. If in the code are some errors, where they can be noted?

0.1.3 Summary:

0.1.3.1 ***Compiling the code*** A compiler is just a program that converts your program written in terms you understand into a form your computer understands (e.g. from English to ones and zeros). The compiler must convert your source code to machine code.

0.1.3.2 ***Programming the microcontroller*** Each time we change the programming code and want to run it on a microcontroler we need to send the machine code to the microcontroller first. This process is called programming.

0.1.4 Issues:

0.1.4.1 ***Programming the microcontroller failed: can't open device "/dev/ttyUSB0"*** Check the USB connection with the Arduino controller.
Check the settings if the Board, Processor and Port are set wright.