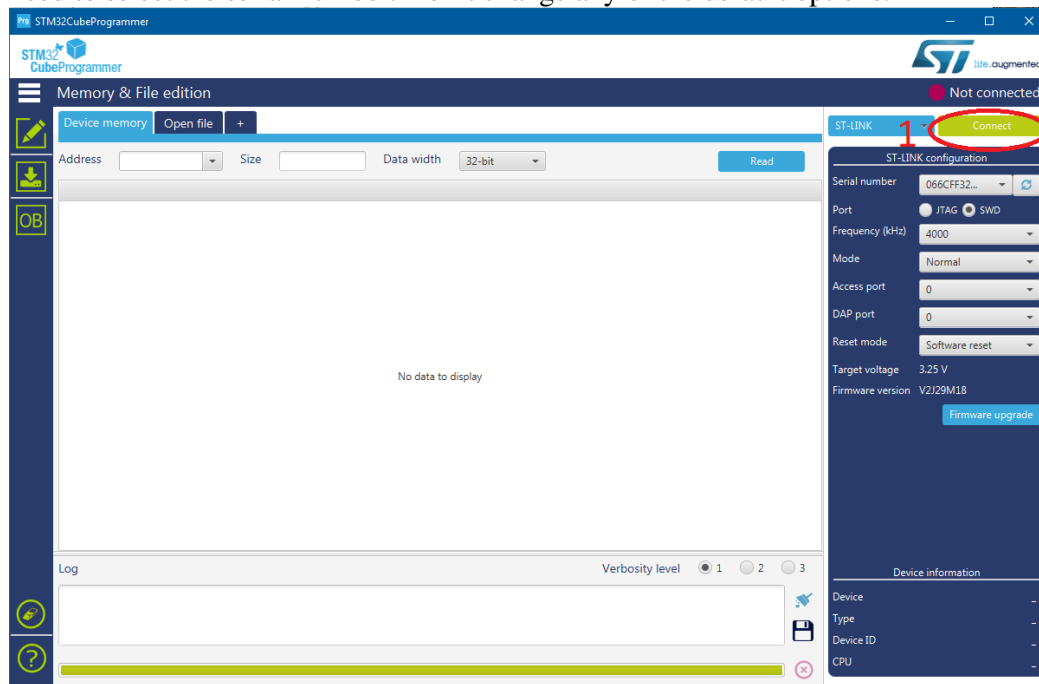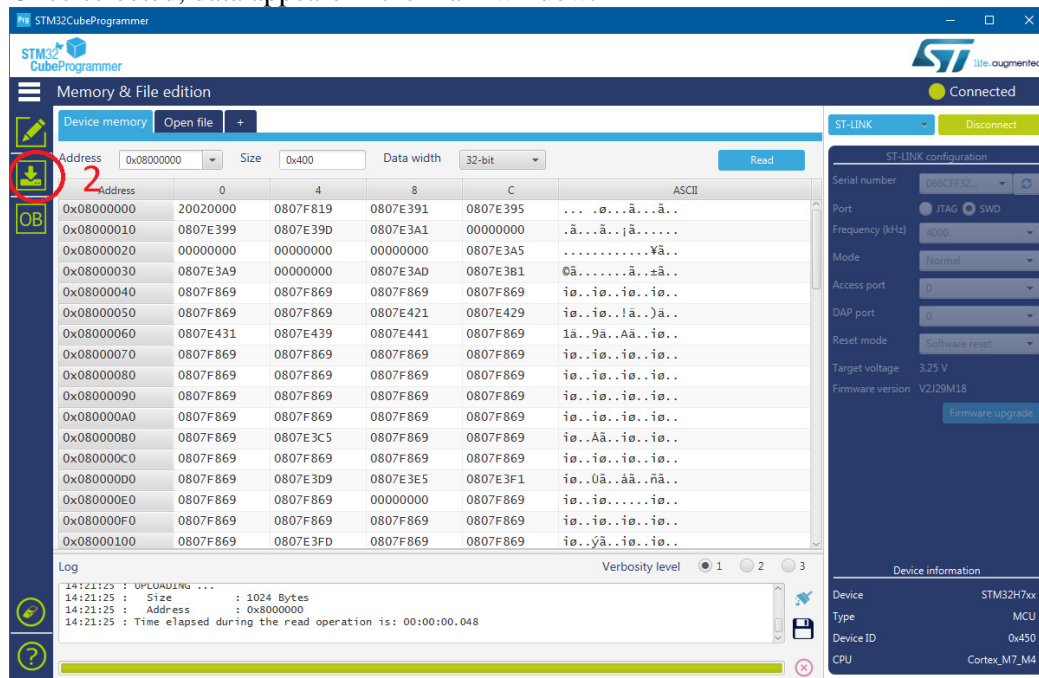Simple steps for programming a Nucleo board using "STM32cubeprogrammer"

Step 1.　　　Click on connect. If you only have one device connected, there is no need to select the serial number. Don't change any of the default options.
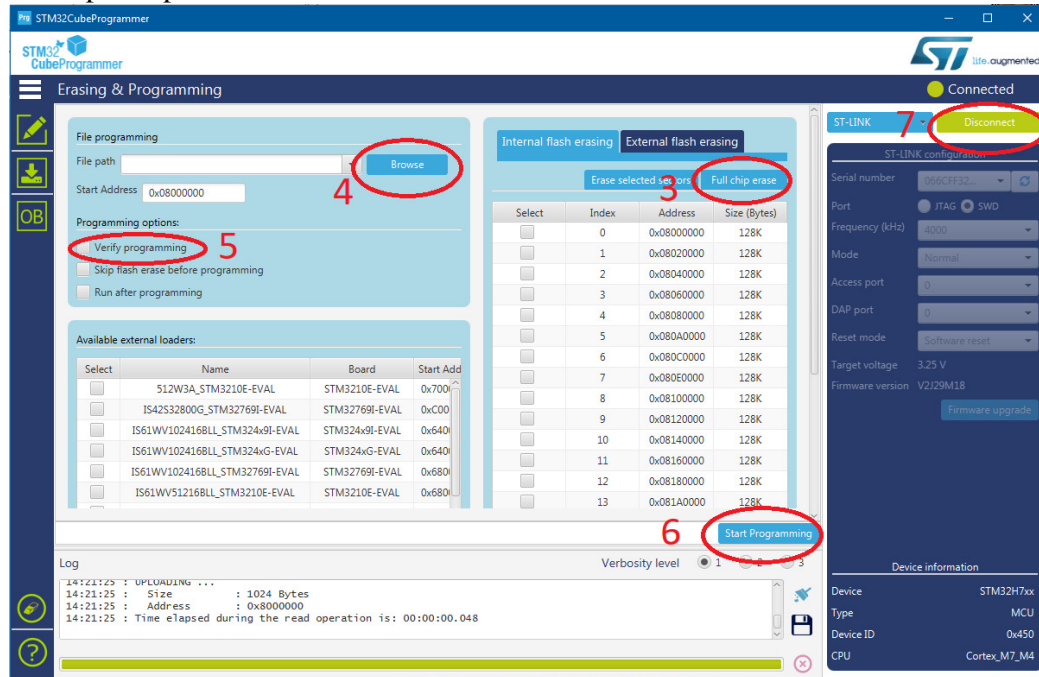

Once selected, data appears in the main window.

Step 2.　　　Click on the programming icon.

This opens up the file selector window.

Step 3.   It is advisable to do a full chip erase.
Step 4.   Browse to the required firmware. I stick with the *.elf format.
Step 5.   Select "Verify programming". It only takes an extra 4 seconds.
Step 6.   "Start programming"
Step 7.   "Disconnect"

I have always left the other options at their default. It just works as is.

You probably should power cycle the board after flashing but I find that pressing the reset button a couple of times brings it to life without having to unplug the USB.