## Step 1

Insert the programming socket with the pins facing upwards in the back of the board.

Connect the programming board to the pc using a usn mini cable



### step 2

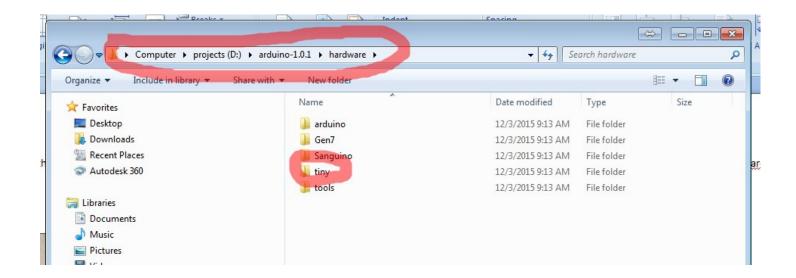
download arduino 1.0.1 from the arduino site (old versions) the newer ones have a problem

### step 3

download the Arduino sketch and the tiny library from the github

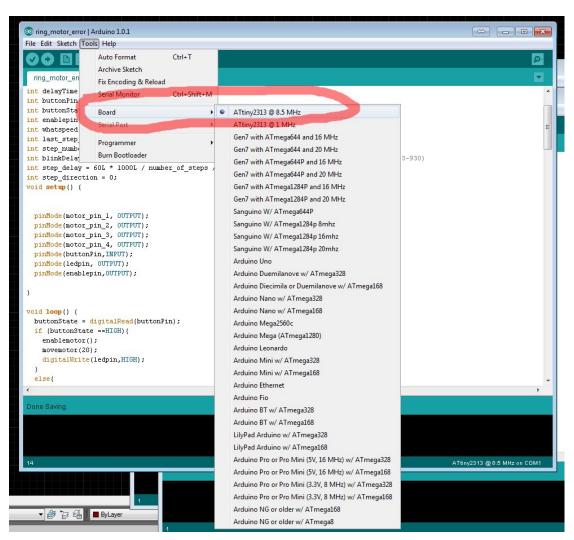
https://github.com/ekaggrat/holo\_clock

put the tiny folder in the arduino's hardware folder as follows:



step 4

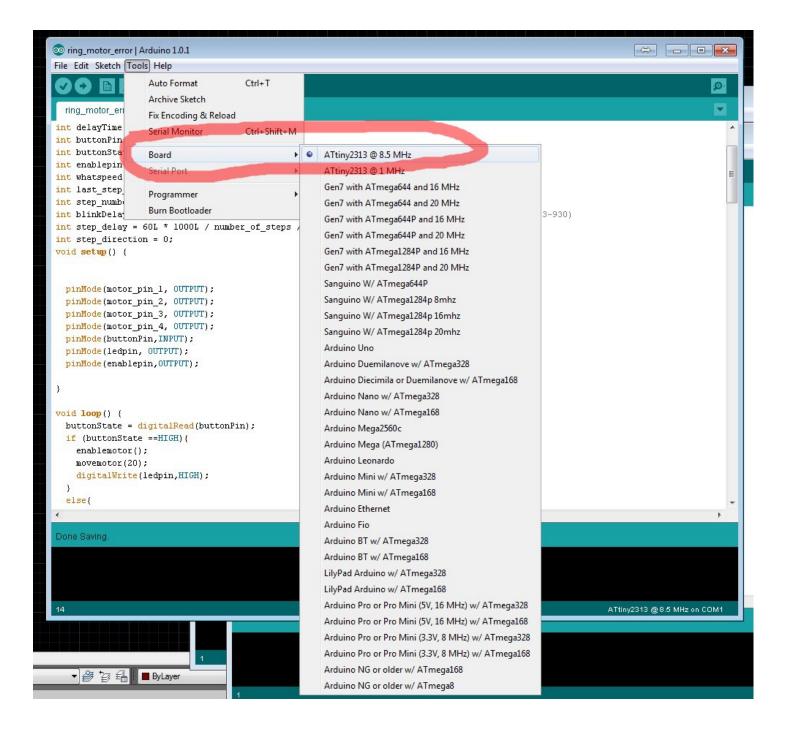
open the arduino 1.0.1 and the boards list now you should see attiny as follows

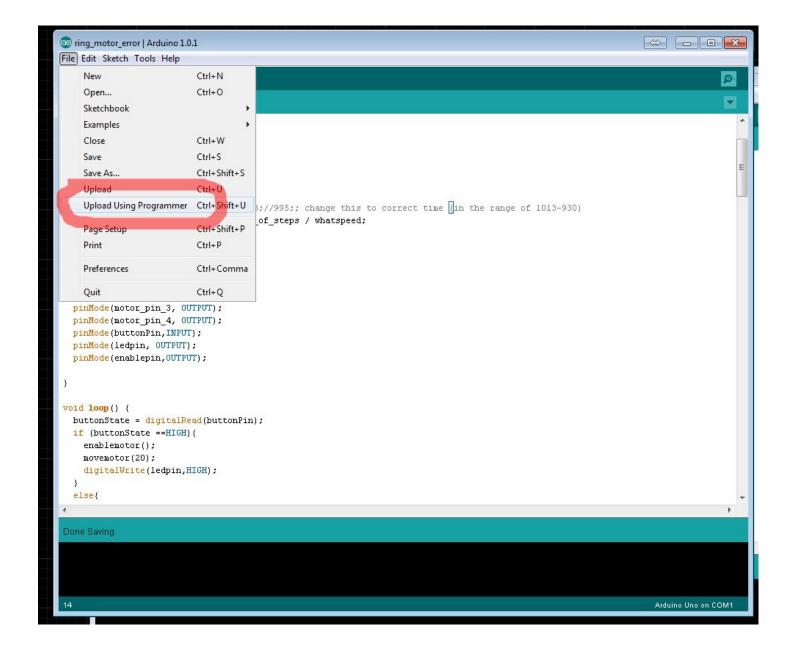


# step 7

open the Arduino sketch

upload the sketch using the following method.. ( dont upload as usual because that will not work ) First select the board as attiny2313@ 8.5 . then upload using programmer



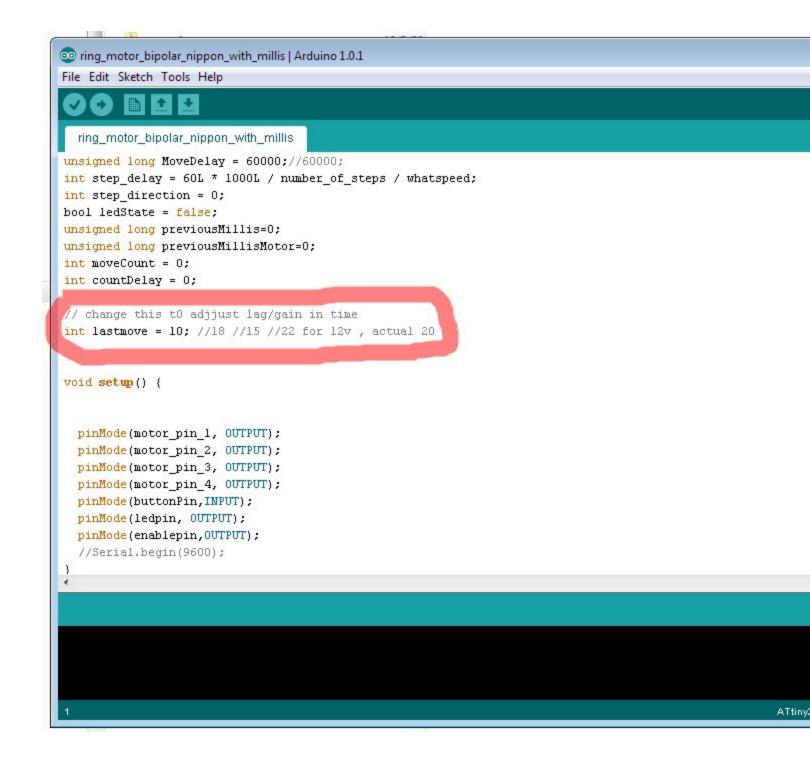


should be done ..

#### step 8

If the clock is gaining or loosing time adjust the timing by changing the value for the last move

A value of 5 works well but it can vary depending on the power supply used.



That's it . the clock should be working fine now

To adjust the time just press the button on the left side and wait patiently for the needles to reach the correct position.

The clock only moves to change minutes and hours. The rest of the time it just blinks quietly to indicate seconds.