

4th Meeting

28/7/2015

First : we made Temp Sensor

Using :

1- LM35

2-Resistance 1k

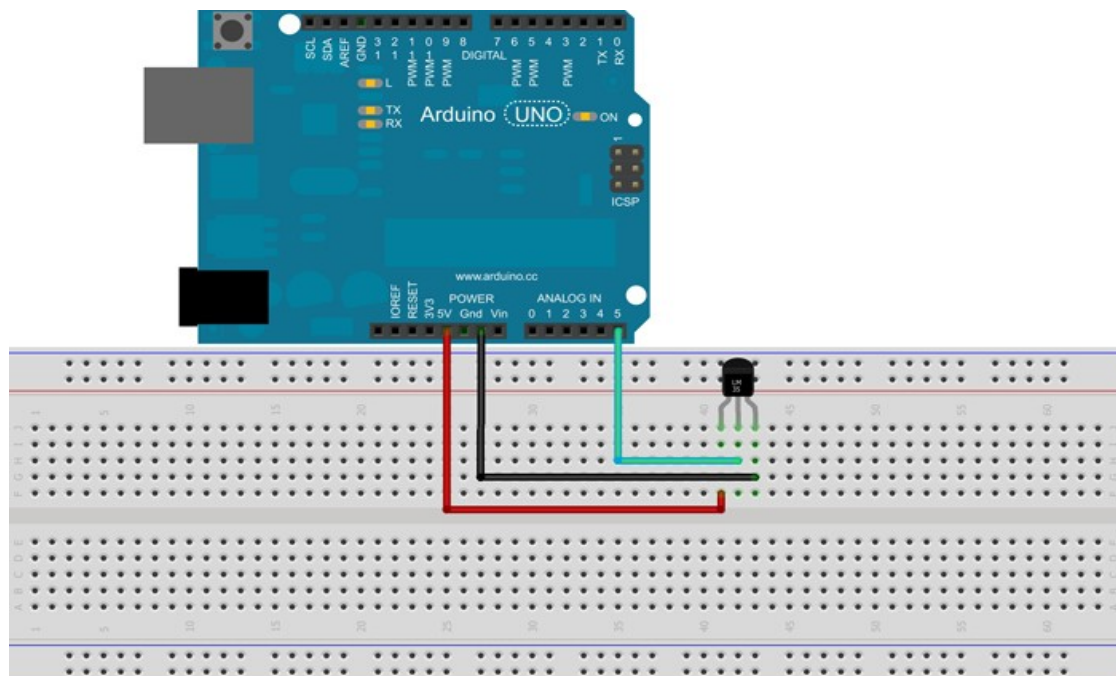
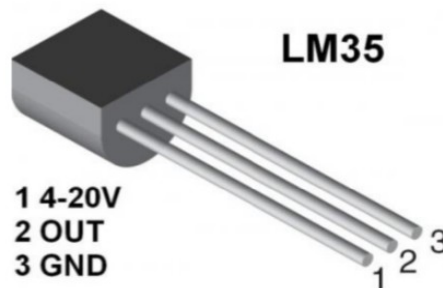
3- led

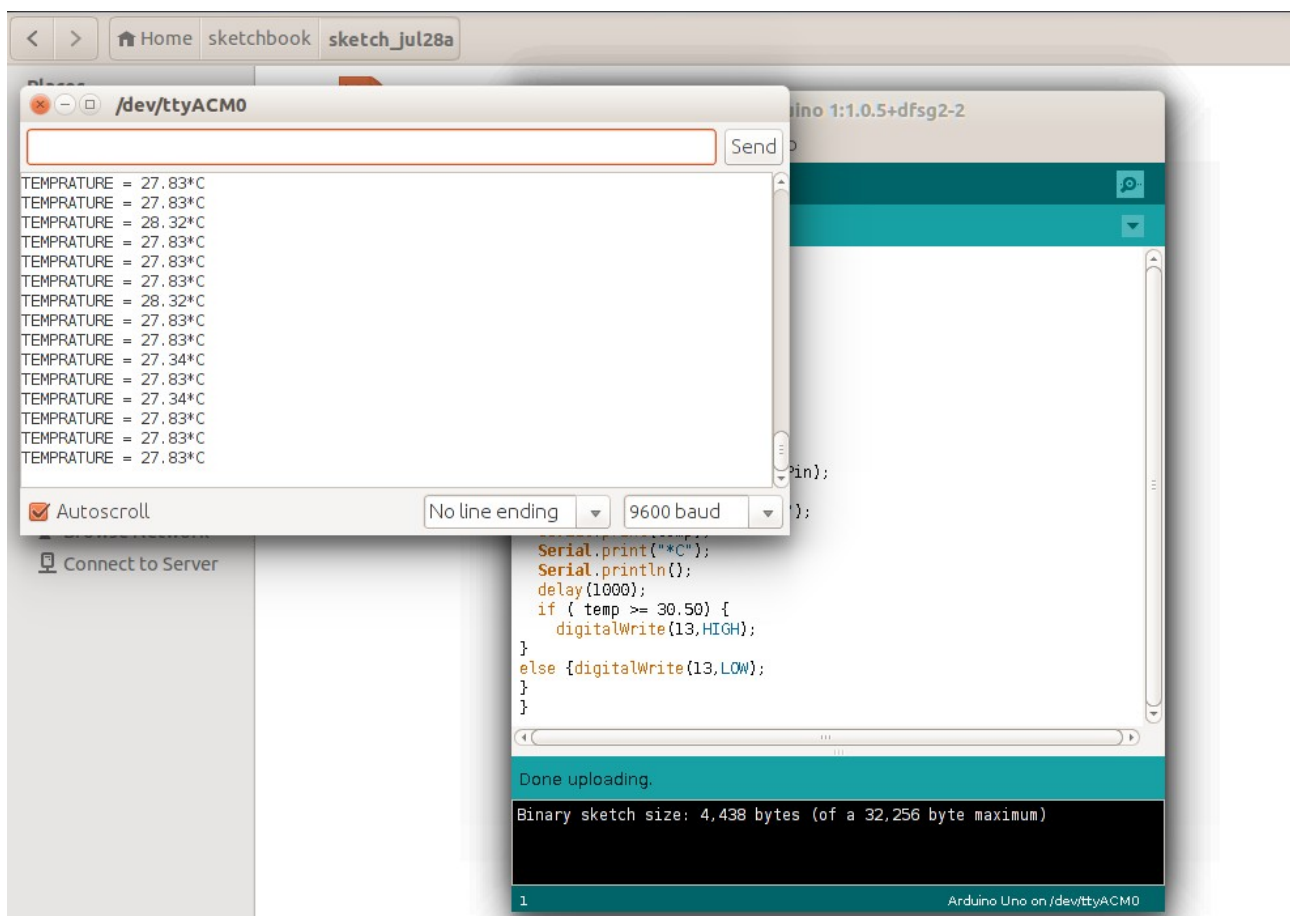
4-arduino

Temper sensor:

LM35 is a precision IC [temperature sensor](#) with its output proportional to the temperature (in °C). The sensor circuitry is sealed and therefore it is not subjected to oxidation and other processes. With **LM35**, temperature can be measured more accurately than with a thermistor. It also possess low self heating and does not cause more than 0.1 °C temperature rise in still air.

The operating temperature range is from -55°C to 150°C. The output voltage varies by 10mV in response to every °C rise/fall in ambient temperature, *i.e.*, its scale factor is 0.01V/°C.



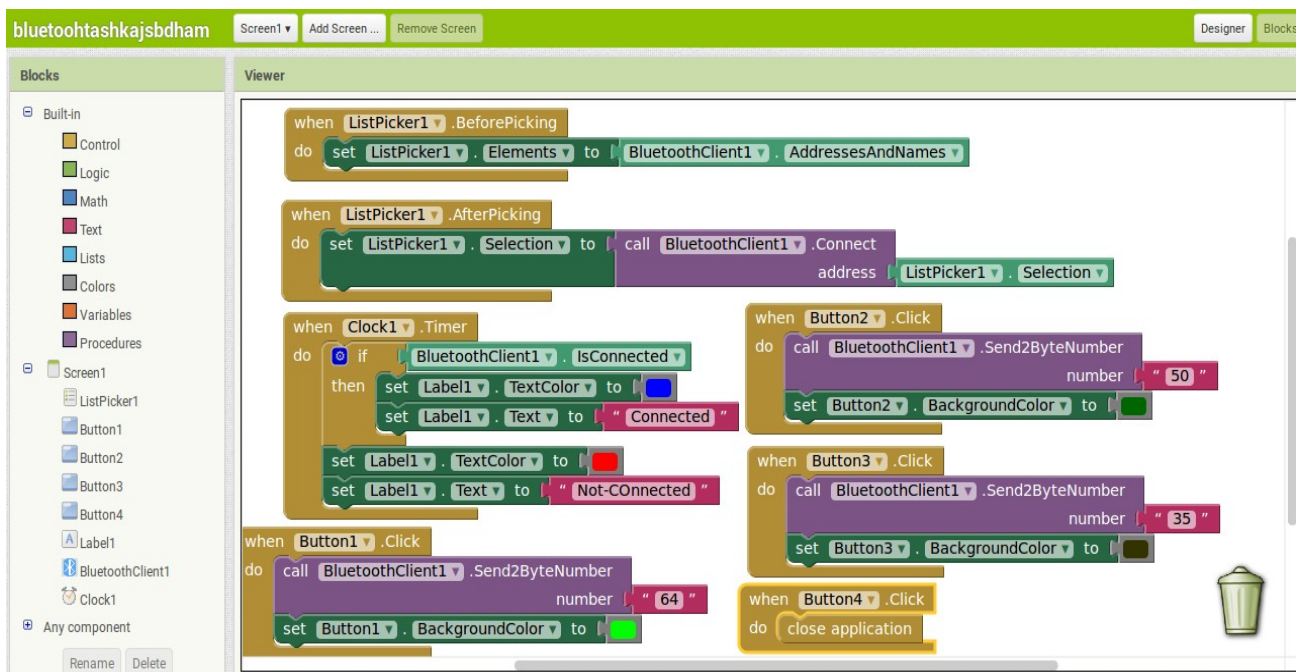
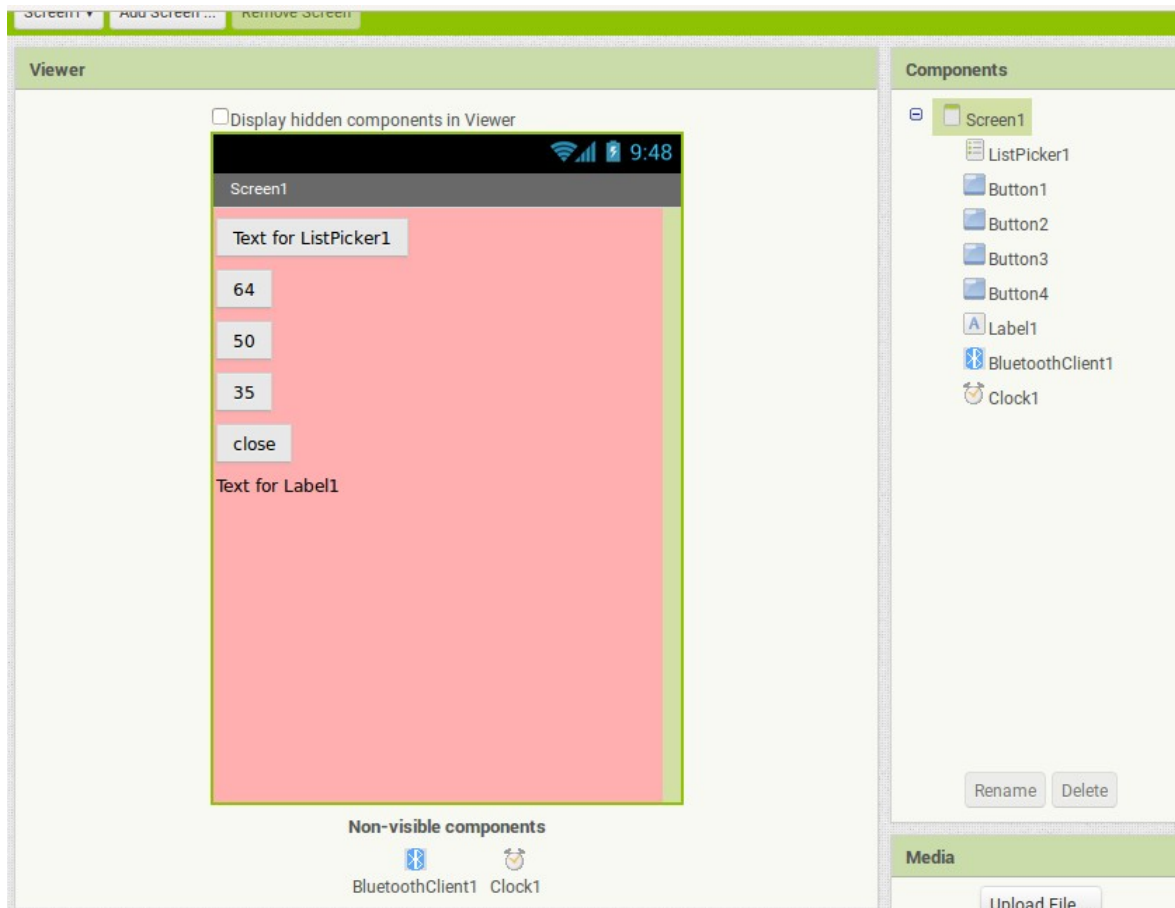


Testing with led
(alternated to Fan)

second : making bluetooth APP

using

1-appinventor.mit.edu



- the numbers are the bytes with is send by the button
- as arduino bluetooth module Receives char
- char = 2 bytes

Home Task :

1st ldr + connected to arduino + controlling lamp

2nd how to control lamp manual

3rd coding

@ Electra

- testing on Bluetooth module on mobile app
- working on ldr
- Testing