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Code (Temperature Sensor):
#include "mraa/aio.h" //for mraa_aio_read()
#include <math.h> // for math functions
#include <stdio.h> // for printf()
#include <unistd.h> //for sleep()
#include "jhd1313m1.h"
#include "grove.h"
int main()
{
  mraa_aio_context adc_a0;
  uint16_t adc_value = 0;
  const int B=4275;
                             // B value of the thermistor
  const int R0 = 100000;
                               // R0 = 100k
  adc_a0 = mraa_aio_init(0);
  if (adc_a0 == NULL) {
    return 1;
  }
  for (int i=10; i>0;i--) {
    adc_value = mraa_aio_read(adc_a0); //Max value @ 5V = 1024
    printf("ADC A0 read value : %d\n", adc_value);
    float R = 1023.0/((float)adc_value)-1.0;
    R = 100000.0*R;
    float temperature=1.0/(log(R/100000.0)/B+1/298.15)-273.15;//convert to temperature as per datasheet
    printf("Temperature value : %.2f Degree Celsius\n", temperature);
    sleep(1);
  }
  mraa_aio_close(adc_a0);
  printf("Exiting .. Bbye!");
  return MRAA_SUCCESS;
}
```