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#include <Wire.h>
#include "MAX30100_PulseOximeter.h"

#define REPORTING_PERIOD_MS      1000

int h,b;
PulseOximeter pox;
uint32_t tsLastReport = 0;

void onBeatDetected()
{
  //  Serial.println("Beat!");
}

void setup()
{
  Serial.begin(9600);
  Serial.print("Initializing pulse oximeter..");

  if (!pox.begin()) {
    Serial.println("FAILED");
    for(;;);
  } else {
    Serial.println("SUCCESS");
  }
  pox.setIRLedCurrent(MAX30100_LED_CURR_7_6MA);

  pox.setOnBeatDetectedCallback(onBeatDetected);
}

void loop()
{
  pox.update();
  if (millis() - tsLastReport > REPORTING_PERIOD_MS) {
    h=pox.getHeartRate();
    b=pox.getSpO2();

    Serial.print(h);
    Serial.print(",");
    Serial.println(b);
  }
}

```

```
        tsLastReport = millis();  
    }  
}
```