#include <DS3231.h>

// Init the DS3231 using the hardware interface

DS3231 rtc(SDA, SCL);

Time tCurrent;

int tCurrentSec = 0;

int tStartSec = 0;

void setup()

{

// Setup Serial connection

Serial.begin(9600);

// Initialize the rtc object

rtc.begin();

// The following lines can be uncommented to set the date and time

//rtc.setDOW(SATURDAY); // Set Day-of-Week to SUNDAY

//rtc.setTime(17, 56, 0); // Set the time to 12:00:00 (24hr format)

//rtc.setDate(13, 03, 2022); // Set the date to January 1st, 2014

tCurrent = rtc.getTime();

tStartSec = tCurrent.hour\*360 + tCurrent.min\*60 + tCurrent.sec;

//tCurrentSec = tCurrent.hour\*360 + tCurrent.min\*60 + tCurrent.sec; //Not Needed, but helpfult to include here

Serial.println(rtc.getDateStr(FORMAT\_LONG,FORMAT\_BIGENDIAN));

}

void loop()

{

tCurrent = rtc.getTime();

tCurrentSec = tCurrent.hour\*360 + tCurrent.min\*60 + tCurrent.sec;

Serial.println(tCurrentSec-tStartSec);

// Wait one second before repeating :)

delay (1000);

}

// Send Day-of-Week

//Serial.print(rtc.getDOWStr());

//Serial.print(" ");

// Send date

//Serial.print(rtc.getDateStr());

//Serial.print(" -- ");

// Send time