#include <Wire.h>

#include "RTClib.h"

RTC\_DS1307 rtc;

char daysOfTheWeek[7][12] = {"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"};

void setup () {

while (!Serial); // for Leonardo/Micro/Zero

Serial.begin(9600);

if (! rtc.begin()) {

Serial.println("Couldn't find RTC");

while (1);

}

if(! rtc.isrunning()) {

Serial.println("RTC is NOT running!");

// following line sets the RTC to the date & time this sketch was compiled

// rtc.adjust(DateTime(F(\_\_DATE\_\_), F(\_\_TIME\_\_)));

// This line sets the RTC with an explicit date & time, for example to set

// January 21, 2014 at 3am you would call:

//rtc.adjust(DateTime(2019, 3, 3, 20, 0, 0));

}

//rtc.adjust(DateTime(2019, 12, 31, 4,55, 0));

rtc.adjust(DateTime(F(\_\_DATE\_\_), F(\_\_TIME\_\_)));

}

void loop () {

DateTime now = rtc.now();

Serial.print(now.year(), DEC);

Serial.print('/');

Serial.print(now.month(), DEC);

Serial.print('/');

Serial.print(now.day(), DEC);

Serial.print(" (");

Serial.print(daysOfTheWeek[now.dayOfTheWeek()]);

Serial.print(") ");

Serial.print(now.hour(), DEC);

Serial.print(':');

Serial.print(now.minute(), DEC);

Serial.print(':');

Serial.print(now.second(), DEC);

Serial.println();

delay(100);

byte t = now.minute();

Serial.print("t=");

Serial.print(t);

delay(3000);

}