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#include <Wire.h>
#include <RTCLib.h>

RTC_DS3231 rtc;

void setup() {
  Serial.begin(115200);
  Wire.begin(21, 22); // ESP32 default I2C pins: SDA = 21, SCL = 22

  if (!rtc.begin()) {
    Serial.println("Couldn't find RTC!");
    while (1);
  }

  // Set RTC to the compilation time (Only use this once!)
  rtc.adjust(DateTime(F(__DATE__), F(__TIME__)));

  Serial.println("RTC time set to compilation time!");
}

void loop() {
  DateTime now = rtc.now();

  Serial.print("Time: ");
  Serial.print(now.year()); Serial.print("-");
  Serial.print(now.month()); Serial.print("-");
  Serial.print(now.day()); Serial.print(" ");
  Serial.print(now.hour()); Serial.print(":");
  Serial.print(now.minute()); Serial.print(":");
  Serial.println(now.second());

  delay(1000);
}

```