

Include the RTC Library:

```
1 #include <Wire.h>
2 #include <RTClib.h>
3
4 RTC_DS3231 rtc;
5 |
```

Initialize the RTC in the setup

```
1 ✓ if (!rtc.begin()) {
2   Serial.println("Couldn't find RTC");
3   while (1);
4 }
5
6 ✓ if (rtc.lostPower()) {
7   Serial.println("RTC lost power, let's set the time!");
8   rtc.adjust(DateTime(F(__DATE__), F(__TIME__)));
9 }
10 |
```

Display Date and Time in the loop function:

```
1 DateTime now = rtc.now();
2 lcd.setCursor(0, 1);
3 lcd.print(now.year(), DEC);
4 lcd.print('/');
5 lcd.print(now.month(), DEC);
6 lcd.print('/');
7 lcd.print(now.day(), DEC);
8 lcd.print(' ');
9 lcd.print(now.hour(), DEC);
10 lcd.print(':');
11 lcd.print(now.minute(), DEC);
12 lcd.print(':');
13 lcd.print(now.second(), DEC);
14 |
```