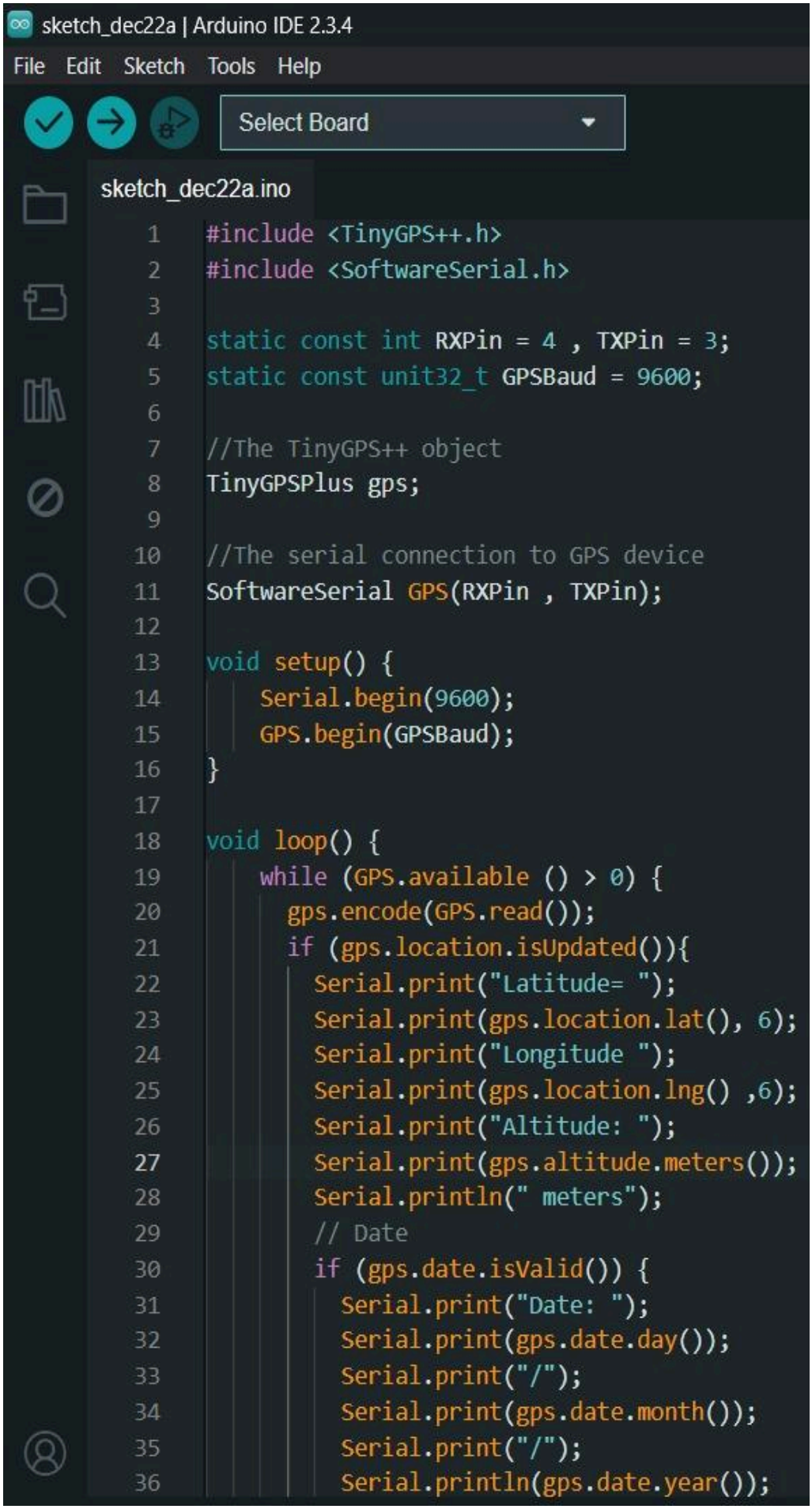
sketch_dec22a | Arduino IDE 2.3.4
File Edit Sketch Tools Help
Select Board
sketch_dec22a.ino
#include <TinyGPS++.h>
#include <SoftwareSerial.h>
static const int RXPin = 4 , TXPin = 3;
static const unit32_t GPSBaud = 9600;
//The TinyGPS++ object
TinyGPSPlus gps;
//The serial connection to GPS device
SoftwareSerial GPS(RXPin , TXPin);
void setup() {
Serial.begin(9600);
GPS.begin(GPSBaud);
}
void loop() {
while (GPS.available () > 0) {
gps.encode(GPS.read());
if (gps.location.isUpdated()){
Serial.print("Latitude= ");
Serial.print(gps.location.lat(), 6);
Serial.print("Longitude ");
Serial.print(gps.location.lng() ,6);
Serial.print("Altitude: ");
Serial.print(gps.altitude.meters());
Serial.println(" meters");
// Date
if (gps.date.isValid()) {
Serial.print("Date: ");
Serial.print(gps.date.day());
Serial.print("/");
Serial.print(gps.date.month());
Serial.print("/");
Serial.println(gps.date.year());

```
37          } else {
38            Serial.println("Date: INVALID");
39          }
40
41          // Time
42          if (gps.time.isValid()) {
43            Serial.print("Time (UTC): ");
44            Serial.print(gps.time.hour());
45            Serial.print(":");
46            Serial.print(gps.time.minute());
47            Serial.print(":");
48            Serial.println(gps.time.second());
49          } else {
50            Serial.println("Time: INVALID");
51          }
52
53          Serial.println("**********************\n");
54        }
55    }
56  }
57
```