Latitude= 40.917193 Longitude= 29.159251

Raw latitude = +40 //ham enlem

917193167

Raw longitude = +29 //ham boylam

159251167

Raw date DDMMYY = 80819 //tarih

Year = 2019

Month = 8

Day = 8

Raw time in HHMMSSCC = 8580700 //zaman

Hour = 8

Minute = 58

Second = 7

Centisecond = 0

Raw speed in 100ths/knot = 213

Speed in knots/h = 2.13

Speed in miles/h = 2.45

Speed in m/s = 1.10 //saniyede metre cinsinden hız

Speed in km/h = 3.94 //saatte kilometre cinsinden hız

Raw course in degrees = 4288

Course in degrees = 42.88

Raw altitude in centimeters = 3440 //cm cinsinden ham yükseklik

Altitude in meters = 34.40 //metre cinsinden yükseklik

Altitude in miles = 0.02

Altitude in kilometers = 0.03

Altitude in feet = 112.86

Number os satellites in use = 4 //kullanılan uydu sayısı

<https://randomnerdtutorials.com/guide-to-neo-6m-gps-module-with-arduino/>

KODLAR

#include <TinyGPS++.h>

#include <SoftwareSerial.h>

static const int RXPin = 4, TXPin = 5; //rx ‘i d1 , tx ‘i d2 ye bağla

static const uint32\_t GPSBaud = 9600;

// The TinyGPS++ object

TinyGPSPlus gps;

// The serial connection to the GPS device

SoftwareSerial ss(RXPin, TXPin);

void setup(){

Serial.begin(115200);

ss.begin(GPSBaud);

}

void loop(){

// This sketch displays information every time a new sentence is correctly encoded.

while (ss.available() > 0){

gps.encode(ss.read());

if (gps.location.isUpdated()){

// Latitude in degrees (double)

Serial.print("Latitude= ");

Serial.print(gps.location.lat(), 6);

// Longitude in degrees (double)

Serial.print(" Longitude= ");

Serial.println(gps.location.lng(), 6);

// Raw latitude in whole degrees

Serial.print("Raw latitude = ");

Serial.print(gps.location.rawLat().negative ? "-" : "+");

Serial.println(gps.location.rawLat().deg);

// ... and billionths (u16/u32)

Serial.println(gps.location.rawLat().billionths);

// Raw longitude in whole degrees

Serial.print("Raw longitude = ");

Serial.print(gps.location.rawLng().negative ? "-" : "+");

Serial.println(gps.location.rawLng().deg);

// ... and billionths (u16/u32)

Serial.println(gps.location.rawLng().billionths);

// Raw date in DDMMYY format (u32)

Serial.print("Raw date DDMMYY = ");

Serial.println(gps.date.value());

// Year (2000+) (u16)

Serial.print("Year = ");

Serial.println(gps.date.year());

// Month (1-12) (u8)

Serial.print("Month = ");

Serial.println(gps.date.month());

// Day (1-31) (u8)

Serial.print("Day = ");

Serial.println(gps.date.day());

// Raw time in HHMMSSCC format (u32)

Serial.print("Raw time in HHMMSSCC = ");

Serial.println(gps.time.value());

// Hour (0-23) (u8)

Serial.print("Hour = ");

Serial.println(gps.time.hour());

// Minute (0-59) (u8)

Serial.print("Minute = ");

Serial.println(gps.time.minute());

// Second (0-59) (u8)

Serial.print("Second = ");

Serial.println(gps.time.second());

// 100ths of a second (0-99) (u8)

Serial.print("Centisecond = ");

Serial.println(gps.time.centisecond());

// Raw speed in 100ths of a knot (i32)

Serial.print("Raw speed in 100ths/knot = ");

Serial.println(gps.speed.value());

// Speed in knots (double)

Serial.print("Speed in knots/h = ");

Serial.println(gps.speed.knots());

// Speed in miles per hour (double)

Serial.print("Speed in miles/h = ");

Serial.println(gps.speed.mph());

// Speed in meters per second (double)

Serial.print("Speed in m/s = ");

Serial.println(gps.speed.mps());

// Speed in kilometers per hour (double)

Serial.print("Speed in km/h = ");

Serial.println(gps.speed.kmph());

// Raw course in 100ths of a degree (i32)

Serial.print("Raw course in degrees = ");

Serial.println(gps.course.value());

// Course in degrees (double)

Serial.print("Course in degrees = ");

Serial.println(gps.course.deg());

// Raw altitude in centimeters (i32)

Serial.print("Raw altitude in centimeters = ");

Serial.println(gps.altitude.value());

// Altitude in meters (double)

Serial.print("Altitude in meters = ");

Serial.println(gps.altitude.meters());

// Altitude in miles (double)

Serial.print("Altitude in miles = ");

Serial.println(gps.altitude.miles());

// Altitude in kilometers (double)

Serial.print("Altitude in kilometers = ");

Serial.println(gps.altitude.kilometers());

// Altitude in feet (double)

Serial.print("Altitude in feet = ");

Serial.println(gps.altitude.feet());

// Number of satellites in use (u32)

Serial.print("Number os satellites in use = ");

Serial.println(gps.satellites.value());

// Horizontal Dim. of Precision (100ths-i32)

Serial.print("HDOP = ");

Serial.println(gps.hdop.value());

}

}

}