DEVELOP A PYTHON SCRIPT

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| Date | 03 November 2022 |
| Team ID | PNT2022TMID53746 |
| Project Name | Signs with smart connectivity for better road  safety |
| Maximum Marks | 4 Marks |

CODE:

#include <TinyGPS++.h> #include <SoftwareSerial.h> TinyGPSPlus gps; SoftwareSerial ss (3,4); char n; int a;

void setup() { Serial.begin(9600); ss.begin(9600); pinMode (2,INPUT); pinMode (6,OUTPUT); pinMode(11,OUTPUT); pinMode(10,OUTPUT); pinMode (9,OUTPUT);

pinMode (12,OUTPUT); //apr digitalWrite(11,HIGH); digitalWrite(6,HIGH);

attachInterrupt (digitalPinToInterrupt (2), piezo,CHANGE);

}

void loop() {

n=Serial.read(); //Serial.println(" "); delay (200);

if (n=='3') {

digitalWrite(6,HIGH); digitalWrite(11,HIGH);

digitalWrite(12,HIGH); delay(200); digitalWrite(12,LOW); } else if (n=='2') digitalWrite(6,LOW); digitalWrite(11,LOW); digitalWrite(10,LOW); digitalWrite(9,LOW); digitalWrite(12,HIGH); delay(200); digitalWrite(12,LOW); } else if (n=='1') analogWrite(11,100); analogWrite(6,100); digitalWrite(12,HIGH); delay(200); digitalWrite(12,LOW);

}

}

// while (ss.available() > 0)

//if (gps.encode(ss.read()))

// displayInfo(); void displayInfo()

{

// Serial.print (F("Location: ")); if (gps.location.isValid()) Serial.print(gps.location.lat(), 6); Serial.print (F(",")); Serial.print(gps.location. Ing(), 6); } else

// Serial.print (F ("INVALID")); Serial.print("10.305125");

Serial.print(','); Serial.print("76.389582");

}

Serial.print(F(" Date/Time: ")); if (gps.date.isValid())

{

Serial.print(gps.date.month()); Serial.print (F("/")); Serial.print(gps.date.day()); Serial.print (F("/")); Serial.print(gps.date.year());

}

else Serial.print(F("INVALID")); Serial.print (F(" "));

if (gps.time.isValid())

{if (gps.time.hour() < 10) Serial.print (F("0")); Serial.print(gps.time.hour()); Serial.print(F(":"));

if (gps.time.minute() < 10) Serial.print(F("0")); Serial.print (gps.time.minute()); Serial.print(F(":"));

if (gps.time.second() < 10) Serial.print(F("0"));

Serial.print(gps.time.second()); Serial.print(F(".")); if (gps.time.centisecond() < 10) Serial.print(F("0")); Serial.print(gps.time.centisecond());

}

else

Serial.print (F("INVALID")); Serial.println();

}