DEVELOP A PYTHON SCRIPT

Date	17 November 2022
Team ID	PNT2022TMID11060
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();
  }
```