DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID25209
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();
}
```