Unwanted Entrance Detector -

Serial.println(x);

int ir=7; int led=8; int x; void setup() { // put your setup code here, to run once: Serial.begin(9600); pinMode (7,INPUT); pinMode (8,OUTPUT); } void loop() { // put your main code here, to run repeatedly: x = digitalRead(ir);

```
delay(100);
if(x==1)
{
    digitalWrite(8,LOW);
}
else
{
    digitalWrite(8,HIGH);
}
}
```

MOTION DETECT (PIR) CODE -

```
int Buzzer = 6; //the digital pin connected to the BUZZER output
void setup(){
 Serial.begin(9600);
 pinMode(pirPin, INPUT);
 pinMode(ledPin, OUTPUT);
 pinMode(Buzzer, OUTPUT);
 digitalWrite(pirPin, LOW);
 Serial.print("calibrating sensor ");
   for(int i = 0; i < calibrationTime; i++) {</pre>
     Serial.print(".");
    delay(1000);
   delay(50);
void loop(){
    if(digitalRead(pirPin) == HIGH){
      digitalWrite(ledPin, HIGH); //the led visualizes the sensors
      tone (Buzzer, 300);
      if(lockLow) {
        lockLow = false;
        Serial.print("motion detected! someones there ");
        Serial.println(" sec");
```

```
takeLowTime = true;
if(digitalRead(pirPin) == LOW) {
 digitalWrite(ledPin, LOW); //the led visualizes the sensors output
 noTone (Buzzer);
 if(takeLowTime) {
  takeLowTime = false; //make sure this is only done at the
 if(!lockLow && millis() - lowIn > pause){
    lockLow = true;
    Serial.print((millis() - pause)/1000);
    delay(10);
```

Hudai SMD LED jolanor code -

```
const int blue = 3;//set blue to pin 3

const int red = 5;//set red to pin 5

const int green = 6;//set green to pin 6

void setup() {
```

```
pinMode(blue, OUTPUT);//set blue as an output
pinMode(red, OUTPUT);//set red as an output
pinMode(green, OUTPUT);//set green as an output
void loop() {
green. One at a time.
 delay(1000);
 digitalWrite(blue,LOW);
 delay(1000);
 digitalWrite(red, HIGH);
 delay(1000);
 digitalWrite(red, LOW);
 delay(1000);
 digitalWrite(green, HIGH);
 delay(1000);
 digitalWrite(green, LOW);
```

```
digitalWrite(red, HIGH);

digitalWrite(green, LOW);

delay(2000);

digitalWrite(blue, HIGH);//color sequence for turquoise

digitalWrite(green, HIGH);

digitalWrite(red, LOW);

delay(2000);
```