**//CODE FOR AUTOMATIC NIGHT LIGHTING SYSTEM**

int sensorPin=A0;

int sensorValue=0;

void setup()

{

pinMode(11,OUTPUT);

pinMode(13,INPUT);

pinMode(10,OUTPUT);

Serial.begin(9600);

}

void loop()

{digitalRead(13);

if(digitalRead(13)==HIGH)

{ sensorValue=analogRead(sensorPin);

Serial.println(sensorValue);

if(sensorValue>300)

{

{

digitalWrite(11,HIGH);

digitalWrite(10,HIGH);}

if(sensorValue<300)

{

digitalWrite(10,HIGH);

digitalWrite(11,LOW);

}}

if(digitalRead(13)==LOW)

{digitalWrite(11, LOW);

}}

}