```
int ADC1;
float V,R,Lux;


void setup()
{
    Serial.begin(115200);
    pinMode(13,OUTPUT);

}

void loop()
{
  ADC1 = analogRead(A0);
  V = 5.0*ADC1/1023;
  R = 10000.0*5.0/V - 10000.0;
  Lux = 12518931 * pow(R,-1.4);
   Serial.print(ADC);
   Serial.print(",");
   Serial.print(V);
   Serial.print(",");
   Serial.print(R);
   Serial.print(",");
   Serial.println(Lux);
  delay(500);

  if(Lux < 20.0)
```

```
    digitalWrite(13,1);
if(Lux > 25.0)
    digitalWrite(13,0);
}
```