```
int sensorPin = A5;
const int led[] = {13, 12, 11, 10, 9, 8, 7};
const int thresholds[] = {130, 110, 90, 70, 50, 30, 10};
// const int thresholds[] = {200, 175, 150, 125, 100, 75, 50};
const int ledNumber = 7;
int ledOn = 0;

void setup()
{
  for (int i = 0; i < ledNumber; i++)
  {
    pinMode(led[i], OUTPUT);
  }
}

void loop()
{
  int sensorValue = analogRead(sensorPin);

  ledOn = 0;
  for (int i = 0; i < ledNumber; i++)
  {
    if (sensorValue > thresholds[i]) ledOn++;
  }

  for (int i = 0; i < ledOn; i++)
  {
    digitalWrite(led[i], HIGH);
  }

  for (int i = ledOn; i < ledNumber; i++)
  {
    digitalWrite(led[i], LOW);
  }
}
```