```
int red1     = 8;
int led2     = 2;
int led3     = 3;
int led4     = 4;

int lightSensorPin = A0;
int analogValue = 0;



void setup() {
  Serial.begin(9600);        //sets serial port for communication
  pinMode(red1,OUTPUT);
  pinMode(led2,OUTPUT);
  pinMode(led3,OUTPUT);
  pinMode(led4,OUTPUT);
}

void loop(){

  analogValue = analogRead(lightSensorPin);
  Serial.println(analogValue);
  if(analogValue < 40){
    digitalWrite(red1, HIGH);
    digitalWrite(led2, HIGH);



  }

  if(analogValue < 20){
    digitalWrite(red1, HIGH);
    digitalWrite(led2, HIGH);
```

```
  digitalWrite(led3, HIGH);
  digitalWrite(led4, HIGH);



 }



 delay(200);
 digitalWrite(redLedPin, LOW);
 digitalWrite(led2, LOW);
 digitalWrite(led3, LOW);
 digitalWrite(led4, LOW);
}
```