



This program uses a light sensor to detect light and then turn on the green LED when the light falls below the threshold. We can use the serial monitor to display the numbers the sensor is generating.

```

program
  setup
    int = variable sensor
        value A0
    int = variable green
        value 4
    int = variable threshold
        value 500
  loop
    int = variable sensorValue
        value analogRead() # sensor
    Serial.print() message Sensor value is
        new line true
        glue sensorValue
    test sensorValue < threshold
    if then
        digitalWrite() # green
            HIGH
    test sensorValue > threshold
    if then
        digitalWrite() # green
            LOW
    delay ms milliseconds 500
  
```