


This program uses a light sensor to detect light and then turn on the corresponding LED. As it is in a digital pin, the threshold is around 2 volts to make it "LOW", and around 3 volts to make it "HIGH". We cannot change the threshold using a digital input.

```

setup
  int = variable day
        value 5
  int = variable night
        value 4
  int = variable sensor
        value 8

loop
  test digitalRead() # sensor = HIGH
  then
    if digitalWrite() # day HIGH
      digitalWrite() # night LOW
    test digitalRead() # sensor = LOW
    then
      if digitalWrite() # day LOW
        digitalWrite() # night HIGH
  delay ms milliseconds 100
  
```


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