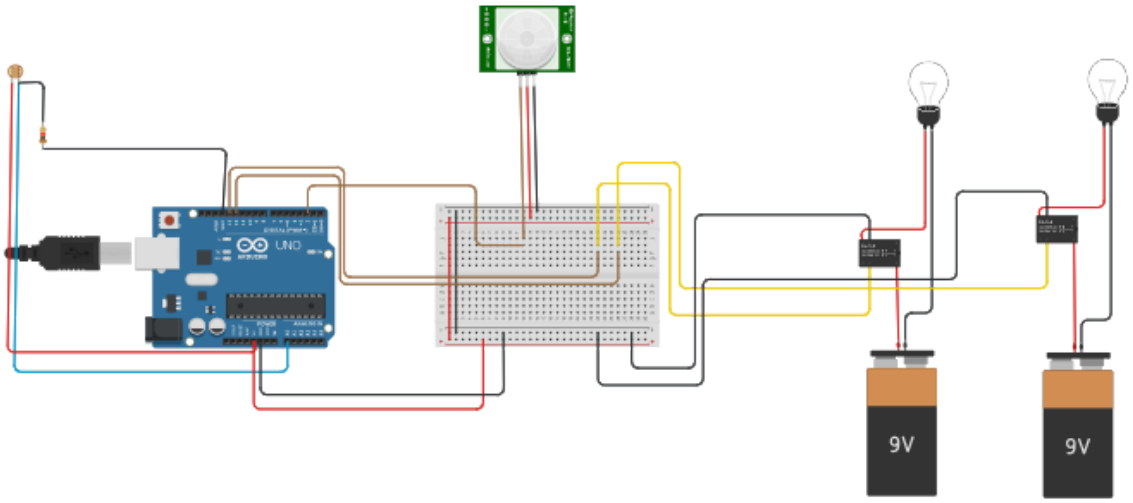

Source code:

```
int bulb = 13;
int bulb2 = 12;
int inputPir = 2;
int val = 0;
int photosensor;
int sensorLDR = A0;


void setup() {
  pinMode(bulb, OUTPUT);
  pinMode(bulb2, OUTPUT);
  pinMode(inputPir, INPUT);
  pinMode(sensorLDR, INPUT);
  Serial.begin(9600);

}

void loop(){
  val = digitalRead(inputPir);
  photosensor = analogRead(sensorLDR);

  //1st Bulb
  if (photosensor<300)
```

```
    {
          if (val == HIGH) {
         digitalWrite(bulb, HIGH);
      Serial.println(photosensor);
                  delay(100);
     }

  else
    {
      digitalWrite(bulb, LOW);
      delay(300);
    }
}



 //2nd bulb


 else if(photosensor>300 && photosensor<600)
 {
  if (val == HIGH) {
         digitalWrite(bulb2, HIGH);
     Serial.println(photosensor);
                  delay(100);
  }

  else
  {
    digitalWrite(bulb2, LOW);
    delay(300);
   }

 }


 //1st bulb off
 else{ digitalWrite(bulb,LOW);
 Serial.println(photosensor);
 delay(500);
 }


}
```