LDR (light dependent resistor)

Schematic:
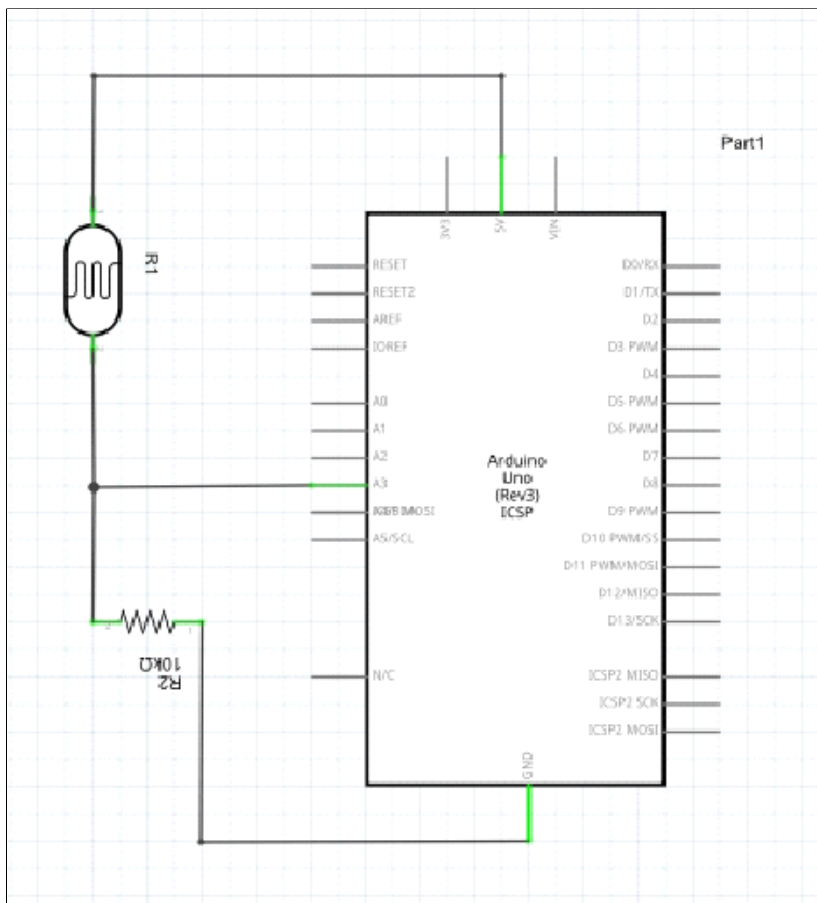
on Arduino :
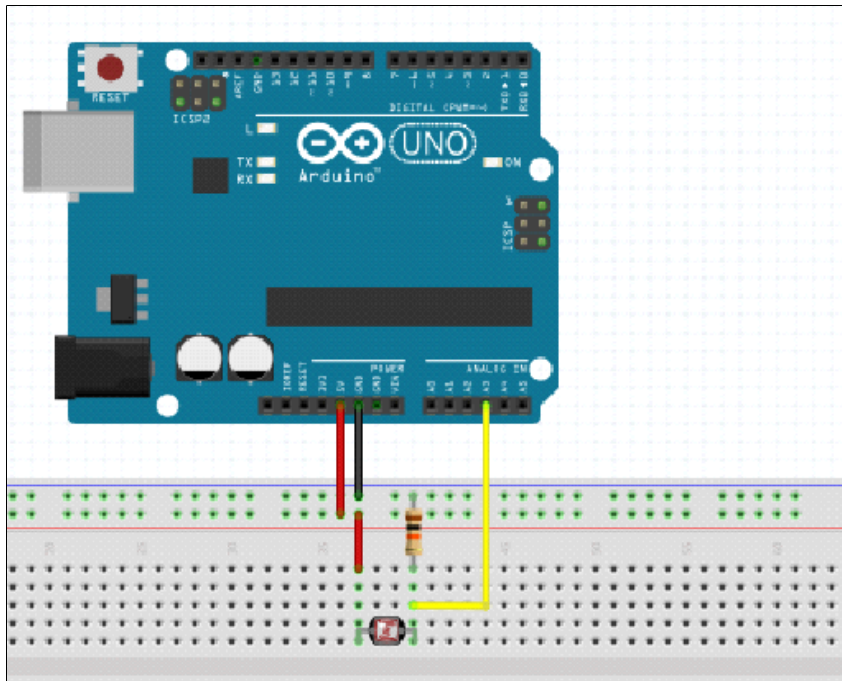
code :

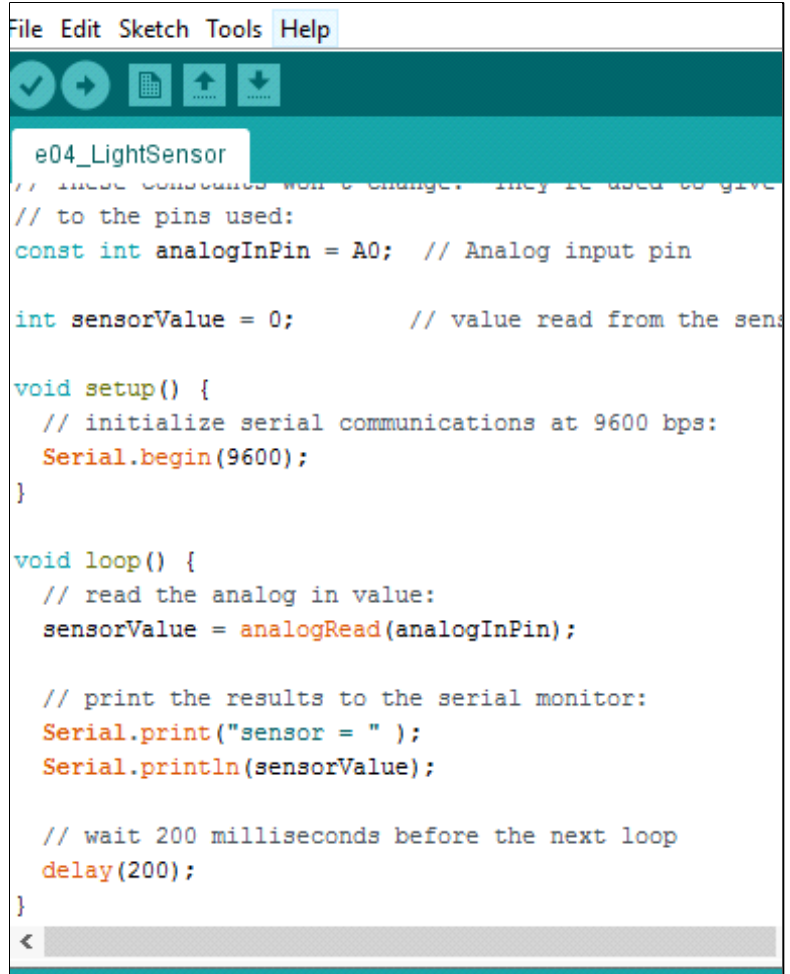e04_LightSensor

```
// These constants won't change.  They re used to give
// to the pins used:
const int analogInPin = A0;  // Analog input pin

int sensorValue = 0;         // value read from the sens

void setup() {
  // initialize serial communications at 9600 bps:
  Serial.begin(9600);
}

void loop() {
  // read the analog in value:
  sensorValue = analogRead(analogInPin);

  // print the results to the serial monitor:
  Serial.print("sensor = " );
  Serial.println(sensorValue);

  // wait 200 milliseconds before the next loop
  delay(200);
}
```