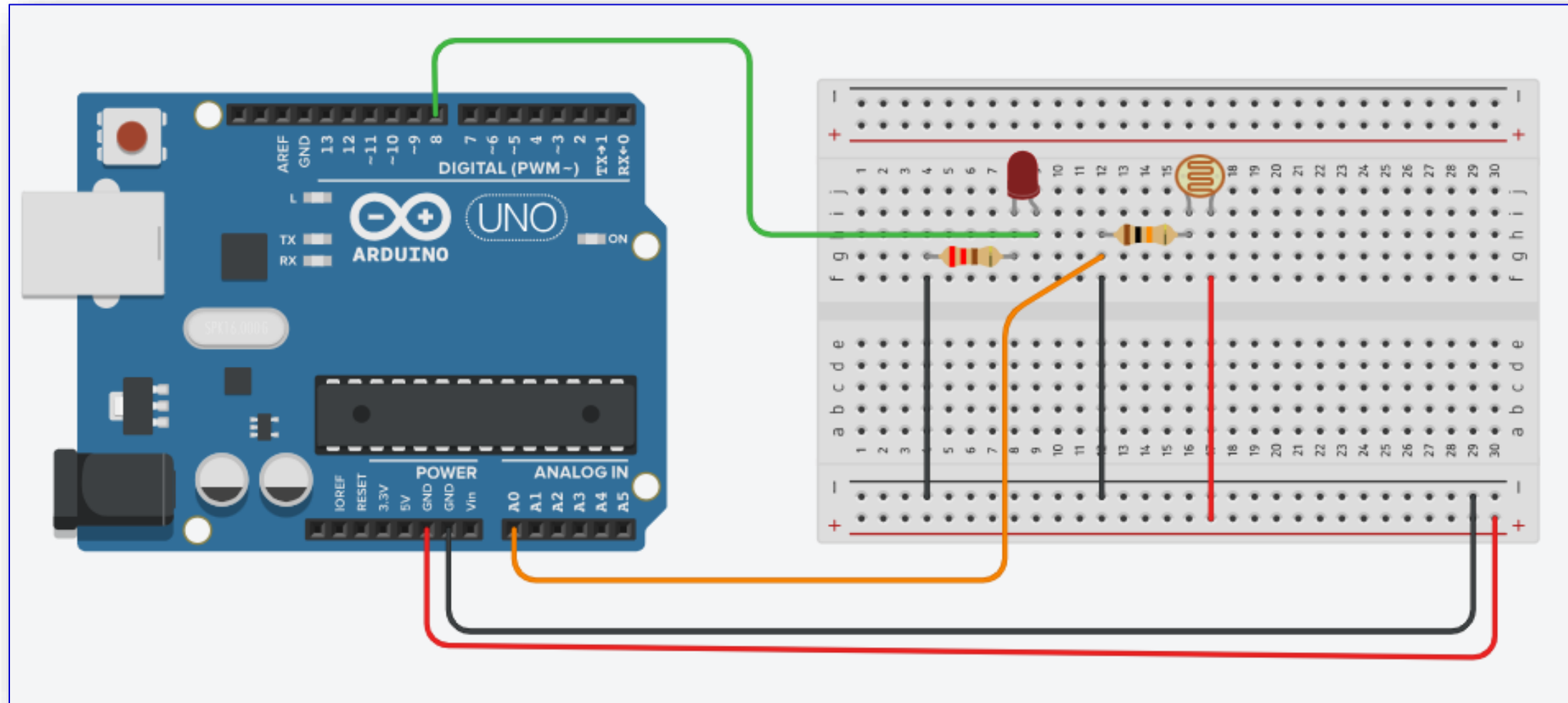# ELECTIVE 3 REAL TIME SYSTEMS

Module 3.4
LDR

Compiled by:
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LDR

Components

Arduino Uno

LDR or Photoresistor

Resistor – 220Ω, 10kΩ

Code for LDR

```c
#define LDR_PIN A0
#define LED_PIN 8

int LdrValue = 0;

void setup()
{
  pinMode(LED_PIN, OUTPUT);
}

void loop()
{
  LdrValue = analogRead(LDR_PIN);
  if(LdrValue <10)
  {
    digitalWrite(LED_PIN, HIGH);
  }
  else
  {
    digitalWrite(LED_PIN, LOW);
  }
}
```