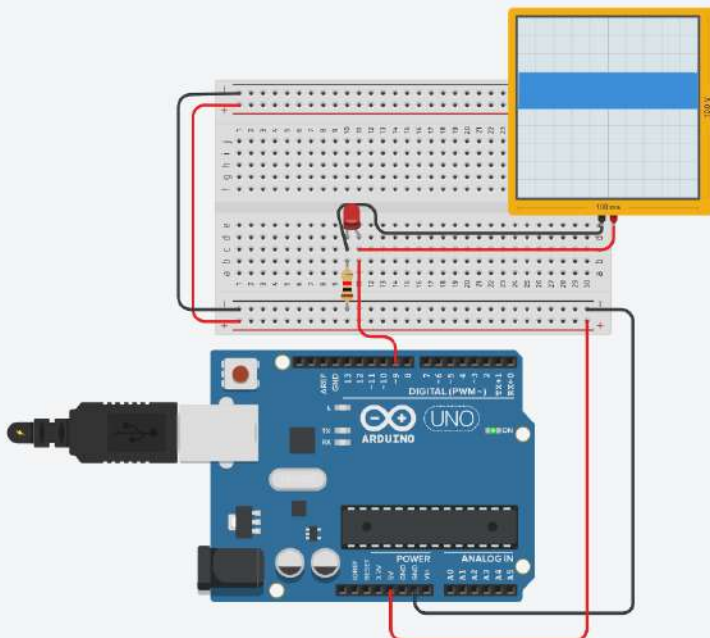Simulator time: 00:00:54

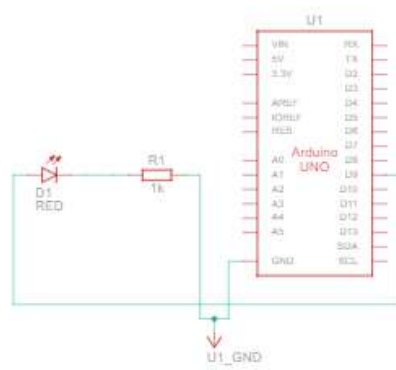Code   Stop Simulation   Send To

1 (Arduino Uno R3) ▾


```
1  int brightness = 0;
2
3  void setup()
4  {
5    pinMode(9, OUTPUT);
6  }
7  void loop()
8  {
9    for (brightness = 0; brightness <= 255; brightness += 5) {
10     analogWrite(9, brightness);
11     delay(30); // Wait for 30 millisecond(s)
12   }
13   for (brightness = 255; brightness >= 0; brightness -= 5) {
14     analogWrite(9, brightness);
15     delay(30); // Wait for 30 millisecond(s)
16   }
17 }
```

Serial Monitor

U1

VIN	RX
5V	TX
3.3V	D2
	D3
AREF	D4
IOREF	D5
RES	D6
	D7
A0	D8
A1	D9
A2	D10
A3	D11
A4	D12
A5	D13
	SDA
GND	SCL

Arduino
UNO

D1
RED

R1
1k

U1_GND

| Title: | analog output | |
| Date: | 30/05/2024, 11:30:36 | Sheet: 1/1 |

Name	Quantity	Component
U1	1	Arduino Uno R3
R1	1	1 kΩ Resistor
D1	1	Red LED
U2	1	10 ms Oscilloscope