

```
/*
Keyestudio smart home Kit for Arduino
Project 2
PWM
http://www.keyestudio.com
*/
int ledPin = 5; // Define the LED pin at D5
void setup () {
    pinMode (ledPin, OUTPUT); // initialize ledpin as an output.
}
void loop () {
    for (int value = 0; value<255; value = value + 1) {
        analogWrite (ledPin, value); // LED lights gradually light up
        delay (5); // delay 5MS
    }
    for (int value = 255; value>0; value = value-1) {
        analogWrite (ledPin, value); // LED gradually goes out
        delay (5); // delay 5MS
    }
}
//
```