

Exp. 4

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LED FADING

Aim:-

Demonstrate to show LED fading.

Hardware - Required:-

Arduino Board

LED Bulb

Code:-

```
void setup()
{
    pinMode(2, OUTPUT);
}
void loop()
{
    for (int fade=0; fade<=255; fade+=5)
    {
        analogWrite(9, fade);
        delay(30);
    }
    for (int fade=255; fade>=0; fade-=5)
    {
        analogWrite(9, fade);
        delay(30);
    }
}
```

