

## Traffic Light

```
// Traffic Light Project - Arduino Uno  
// Red, Yellow, and Green LEDs on pins 8, 10, and 12 respectively  
  
void setup() {  
    // Set LED pins as output  
    pinMode(8, OUTPUT); // Red LED  
    pinMode(10, OUTPUT); // Yellow LED  
    pinMode(12, OUTPUT); // Green LED  
}  
  
void loop() {  
    // ● RED light ON for 3 seconds  
    digitalWrite(8, HIGH);  
    delay(3000);  
  
    // ○ YELLOW light ON for 1 second  
    digitalWrite(10, HIGH);  
    delay(1000);  
  
    // Turn OFF Red and Yellow  
    digitalWrite(8, LOW);  
    digitalWrite(10, LOW);
```

```
// ● GREEN light ON for 3 seconds
digitalWrite(12, HIGH);
delay(3000);

// Turn OFF Green
digitalWrite(12, LOW);
delay(500);

// 💡 Blink Green twice (to indicate it's about to stop)
for (int i = 0; i < 2; i++) {
    digitalWrite(12, HIGH);
    delay(500);
    digitalWrite(12, LOW);
    delay(500);
}

// Then repeat the whole cycle again
}
```

## Connections:



