

```
const int greenPin = 2; // Green LED connected to pin 2
const int yellowPin = 3; // Yellow LED connected to pin 3
const int redPin = 4; // Red LED connected to pin 4
```

```
int counter = 0;
void setup() {
  pinMode(greenPin, OUTPUT);
  pinMode(yellowPin, OUTPUT);
  pinMode(redPin, OUTPUT);
}
```

```
void loop() {
  // Control the LEDs based on the value of the counter
```

```
  if (counter < 100) {
    digitalWrite(greenPin, HIGH);
    digitalWrite(yellowPin, LOW);
    digitalWrite(redPin, LOW);
  }
```

```
  else if (counter >= 101 && counter <= 200) {
    digitalWrite(greenPin, LOW);
    digitalWrite(yellowPin, HIGH);
    digitalWrite(redPin, LOW);
  }
```

```
  else {
    digitalWrite(greenPin, LOW);
    digitalWrite(yellowPin, LOW);
    digitalWrite(redPin, HIGH);
  }
```

```
  counter++;
  if (counter > 250) {
    counter = 0; // Reset the counter
  }
  delay(1000);
}
```

Simulation



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