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// Define the pin numbers for each LED

const int redPin = 13;  // Red LED connected to pin 13
const int yellowPin = 12; // Yellow LED connected to pin 12
const int greenPin = 11; // Green LED connected to pin 11


void setup() {
    // Set each LED pin as an OUTPUT
    pinMode(redPin, OUTPUT);
    pinMode(yellowPin, OUTPUT);
    pinMode(greenPin, OUTPUT);
}


void loop() {
    // Red light on, Yellow and Green off
    digitalWrite(redPin, HIGH); // Turn Red LED on
    digitalWrite(yellowPin, LOW); // Turn Yellow LED off
    digitalWrite(greenPin, LOW); // Turn Green LED off
    delay(5000); // Keep the Red light on for 5 seconds


    // Green light on, Red and Yellow off
    digitalWrite(redPin, LOW); // Turn Red LED off
    digitalWrite(yellowPin, LOW); // Turn Yellow LED off
    digitalWrite(greenPin, HIGH); // Turn Green LED on
    delay(5000); // Keep the Green light on for 5 seconds


    // Yellow light on, Red and Green off
    digitalWrite(redPin, LOW); // Turn Red LED off
    digitalWrite(yellowPin, HIGH); // Turn Yellow LED on
    digitalWrite(greenPin, LOW); // Turn Green LED off
    delay(2000); // Keep the Yellow light on for 2 seconds
}

```

