

/*

Experiment No. : 05

Statement : Make a street light controller.

Date of Exp. : xx/xx/xxxx

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*/

Code:

```
int red = 9;           // Pin number for the red LED
```

```
int yellow = 8;        // Pin number for the yellow LED
```

```
int green = 7;         // Pin number for the green LED
```

```
void setup() {
```

```
  pinMode(red, OUTPUT); // Configure red LED pin as output
```

```
  pinMode(yellow, OUTPUT); // Configure yellow LED pin as output
```

```
  pinMode(green, OUTPUT); // Configure green LED pin as output
```

```
}
```

```
void loop() {
```

```
  digitalWrite(green, HIGH); // Turn on green LED
```

```
  delay(20000);              // Wait for 20 seconds (green light  
  duration)
```

```
  digitalWrite(green, LOW);  // Turn off green LED
```

```
digitalWrite(yellow, HIGH);    // Turn on yellow LED
delay(10000);                  // Wait for 10 seconds (yellow light
duration)
digitalWrite(yellow, LOW);     // Turn off yellow LED
digitalWrite(red, HIGH);       // Turn on red LED
delay(15000);                  // Wait for 15 seconds (red light
duration)
digitalWrite(red, LOW);        // Turn off red LED
}
```

