

Code For Traffic Light System For Car Crossroads

```
int r1 = 2;
int y1 = 3;
int g1 = 4;
int r2 = 5;
int y2 = 6;
int g2 = 7;
int r3 = 8;
int y3 = 9;
int g3 = 10;
int r4 = 11;
int y4 = 12;
int g4 = 13;
void setup() {
  // put your setup code here, to run once:
  pinMode(r1,OUTPUT);
  pinMode(y1,OUTPUT);
  pinMode(g1,OUTPUT);
  pinMode(r2,OUTPUT);
  pinMode(y2,OUTPUT);
  pinMode(g2,OUTPUT);
  pinMode(r3,OUTPUT);
  pinMode(y3,OUTPUT);
  pinMode(g3,OUTPUT);
  pinMode(r4,OUTPUT);
  pinMode(y4,OUTPUT);
  pinMode(g4,OUTPUT);
```

```
}
```

```
void loop() {
```

```
    // put your main code here, to run repeatedly:
```

```
    digitalWrite(g1,HIGH);
```

```
    digitalWrite(r2,HIGH);
```

```
    digitalWrite(r3,HIGH);
```

```
    digitalWrite(r4,HIGH);
```

```
    delay(9000);
```

```
    digitalWrite(g1,LOW);
```

```
    digitalWrite(r2,LOW);
```

```
    digitalWrite(y1,HIGH);
```

```
    digitalWrite(y2,HIGH);
```

```
    delay(3000);
```

```
    digitalWrite(y1,LOW);
```

```
    digitalWrite(y2,LOW);
```

```
    digitalWrite(r1,HIGH);
```

```
    digitalWrite(g2,HIGH);
```

```
    delay(9000);
```

```
    digitalWrite(g2,LOW);
```

```
    digitalWrite(r3,LOW);
```

```
    digitalWrite(y2,HIGH);
```

```
    digitalWrite(y3,HIGH);
```

```
    delay(3000);
```

```
    digitalWrite(y2,LOW);
```

```
    digitalWrite(y3,LOW);
```

```
    digitalWrite(r2,HIGH);
```

```
    digitalWrite(g3,HIGH);
```

```
digitalWrite(r4,HIGH);  
delay(9000);
```

```
digitalWrite(g3,LOW);  
digitalWrite(r4,LOW);  
digitalWrite(y3,HIGH);  
digitalWrite(y4,HIGH);  
delay(3000);  
digitalWrite(y3,LOW);  
digitalWrite(y4,LOW);  
digitalWrite(r3,HIGH);  
digitalWrite(g4,HIGH);  
delay(9000);  
//digitalWrite(r3,LOW);  
digitalWrite(g4,LOW);  
digitalWrite(r1,LOW);  
digitalWrite(y1,HIGH);  
digitalWrite(y4,HIGH);  
delay(3000);  
digitalWrite(y1,LOW);  
digitalWrite(y4,LOW);
```

```
}
```