

```

const int red = 3;
const int orange = 4;
const int green = 5;

const int LED_red = 8;
const int LED_orange = 9;
const int LED_green = 10;
const int LED_blue = 11;

int redButton = 0;
int orangeButton = 0;
int greenButton = 0;

void setup()
{
  pinMode(red,INPUT);
  pinMode(orange,INPUT);
  pinMode(green,INPUT);

  pinMode(LED_red,OUTPUT);
  pinMode(LED_orange,OUTPUT);
  pinMode(LED_green,OUTPUT);
  pinMode(LED_blue,OUTPUT);
}

void loop()
{
  redButton = digitalRead(red);
  orangeButton = digitalRead(orange);
  greenButton = digitalRead(green);
  if(redButton==HIGH && orangeButton==HIGH && greenButton==HIGH)
  {
    digitalWrite(LED_red,HIGH);
    digitalWrite(LED_orange,HIGH);
    digitalWrite(LED_green,HIGH);
    digitalWrite(LED_blue,
HIGH
);
  }
  else
  {
    digitalWrite(LED_red,LOW);
    digitalWrite(LED_orange,LOW);
    digitalWrite(LED_green,LOW);
    digitalWrite(LED_blue,LOW);
  }
  {
    if(redButton==HIGH)
    {
      digitalWrite(LED_red,HIGH);
    }
    else if(redButton==LOW)
    {
      digitalWrite(LED_red,LOW);
    }
  }
}

```

```
}  
{  
  if(orangeButton==HIGH)  
  {  
    digitalWrite(LED_orange,HIGH);  
  }  
  else if(orangeButton==LOW)  
  {  
    digitalWrite(LED_orange,LOW);  
  }  
}  
{  
  if(greenButton==HIGH)  
  {  
    digitalWrite(LED_green,HIGH);  
  }  
  else if(greenButton==LOW)  
  {  
    digitalWrite(LED_green,LOW);  
  }  
}  
}
```