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**SUBJECT :** Internet Of Things (IOT)

**CLASS :** SE

**BRANCH :** AI&DS

**DATE :**

**EXPERIMENT NO : 6**

**TITLE :**

Create a program that illuminates the green LED if the counter is less than 100, illuminates the yellow LED if the counter is between 101 and 200 and illuminates the red LED if the counter is greater than 200.

**CODE:**

**const int green\_led=0;**

**const int red\_led=1;**

**const int yellow\_led=2;**

**unsigned int counter;**

**void setup()**

**{**

**// put your setup code here, to run once:**

**pinMode(green\_led,OUTPUT);**

**pinMode(red\_led,OUTPUT);**

**pinMode(yellow\_led,OUTPUT);**

**digitalWrite(yellow\_led,HIGH);**

**digitalWrite(green\_led,HIGH);**

**digitalWrite(red\_led,HIGH);**

**}**

**void loop()**

**{**

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

**counter=counter+1;**

**delay(20);**

**if(counter<=100)**

**{**

**digitalWrite(yellow\_led,HIGH);**

**digitalWrite(green\_led,LOW);**

**digitalWrite(red\_led,HIGH);**

**}**

**else if((counter>100)&&(counter<=200))**

**{**

**digitalWrite(yellow\_led,LOW);**

**digitalWrite(green\_led,HIGH);**

**digitalWrite(red\_led,HIGH);**

**}**

**else if(counter>200)**

**{**

**digitalWrite(yellow\_led,HIGH);**

**digitalWrite(green\_led,HIGH);**

**digitalWrite(red\_led,LOW);**

**}**

**if (counter>210)**

**counter=0;**

**}**

**OUTPUT:**





