

Assignment -1

Creating a Circuit using Sensors,Buzzer & LED's

Assignment Date	9th September 2022
Student Name	Haren Prabu M
Student Roll Number	737819ITL110
Maximum Marks	10 Marks

Question-1:

Create a Circuit using Arduino, 2 Sensors , Buzzers and LED's

Solution:

```
Int blueLED1 = 2;
Int yellowLED2 = 3;
Int greenLED3 = 4;
Int redLED4 = 5;
Int buzzer = 6;

Void setup() {
  //Setup Code

  pinMode(blueLED1, OUTPUT);

  pinMode(yellowLED2, OUTPUT);
  pinMode (greenLED3, OUTPUT);
  pinMode(redLED4, OUTPUT);
  (buzzer, OUTPUT);
  digitalWrite(buzzer, HIGH);

}
```

```
Void loop() { //Loop code
```

```
digitalWrite(blueLED1, HIGH);  
delay(50);  
digitalWrite(blueLED1, LOW);  
digitalWrite(yellowLED2, HIGH);  
delay(50);  
digitalWrite(yellowLED2, LOW);  
digitalWrite(greenLED3, HIGH);  
delay(50);  
digitalWrite(greenLED3, LOW);  
  
digitalWrite(redLED4, HIGH);  
  
delay(50);  
  
digitalWrite(redLED4, LOW);  
digitalWrite(greenLED3, HIGH);  
delay(50);  
digitalWrite(greenLED3, LOW);  
digitalWrite(yellowLED2, HIGH);  
  
delay(50);  
  
digitalWrite(yellowLED2, LOW);
```

OUTPUT:-

