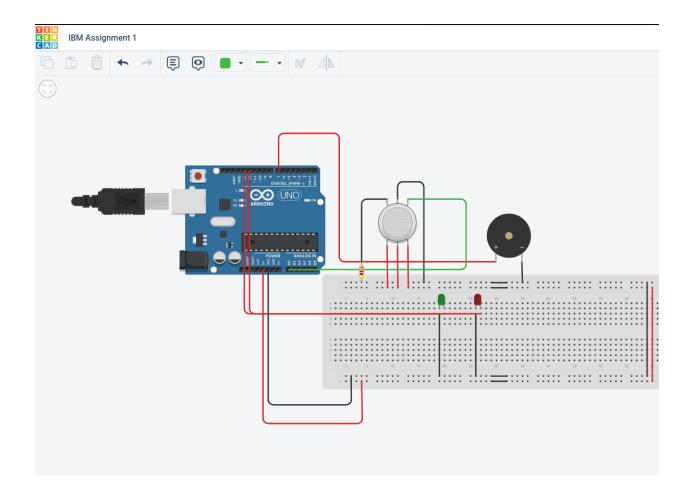
Circuit and code:

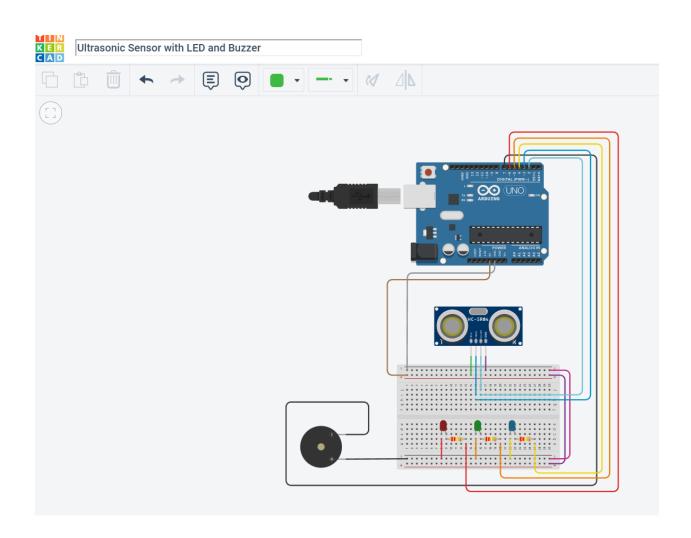
```
const int echoPin=2, triggerPin=3, red=4, green=5, blue=6;
const int buzz = 7;
int pulseValue;
float distance;
void setup() {
pinMode(echoPin, INPUT);
pinMode(triggerPin, OUTPUT);
pinMode(red, OUTPUT);
pinMode(green, OUTPUT);
pinMode(blue, OUTPUT);
pinMode(buzz, OUTPUT);
Serial.begin(9600);
}
void loop( )
{
digitalWrite(triggerPin, LOW);
delayMicroseconds(5);
digitalWrite(triggerPin, HIGH);
delayMicroseconds(10);
pulseValue=pulseIn(echoPin, HIGH);
```

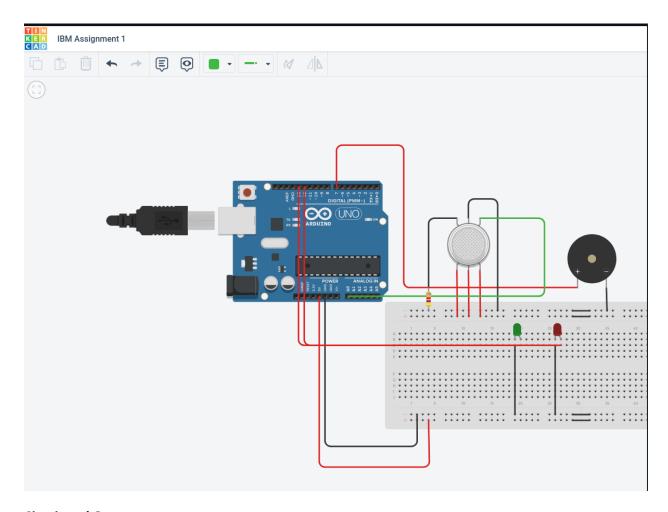
```
distance=(pulseValue*0.0001657*39.37);
if (distance<=5)
digitalWrite(red, HIGH);
digitalWrite(green, LOW);
digitalWrite(blue, LOW);
tone(buzz, 500);
}
else if (distance<=10)
{
digitalWrite(green, HIGH);
digitalWrite(red, LOW);
digitalWrite(blue, LOW);
tone(buzz, 1000);
}
else
digitalWrite(blue, HIGH);
digitalWrite(red, LOW);
 digitalWrite(green, LOW);
```

```
tone(buzz, 1500);
}
Serial.print(distance);
Serial.println(" inch/es");
delay(500);
}
```

Output:







Circuit and Output:

```
int led_green = 12;
int led_red = 13;
int sensor = 8;
int buzzer = 7;
void setup()
{
    pinMode(led_green, OUTPUT);
    pinMode(led_red, OUTPUT);
    pinMode(sensor,INPUT);
    pinMode(buzzer,OUTPUT);
```

```
Serial.begin(9600);
}
void loop()
{
digitalWrite(led_red, LOW);
digitalWrite(buzzer, LOW);
 digitalWrite(led_green, LOW);
int value = analogRead(A0);
Serial.println(value);
if(value >= 500)
{
  digitalWrite(led_red, HIGH);
  digitalWrite(buzzer, HIGH);
        digitalWrite(led_green, LOW);
  delay(1000);
}
if(value < 500)
{
  digitalWrite(led_green, HIGH);
  digitalWrite(led_red, LOW);
  digitalWrite(buzzer, LOW);
  delay(1000);
}
```

