

## **Assignment-1**

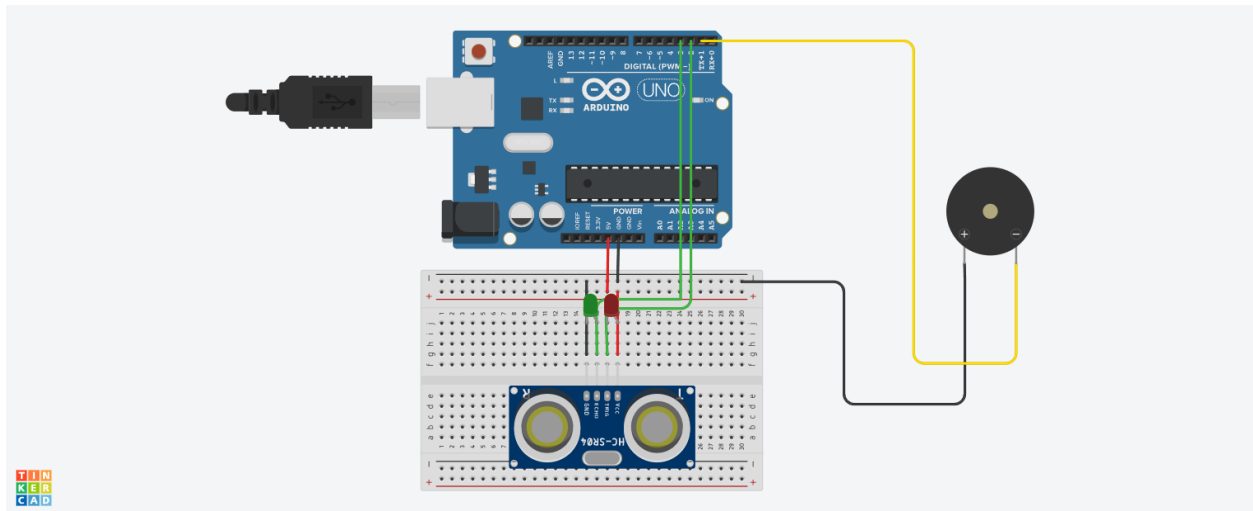
### Python Programming

Assignment Date	19 september 2022
Student Name	Ms.Sri mahajothi S
Student Register Number	923019106014
Maximum Marks	2 Marks

#### **Question-1:**

Use atleast two sensors,LED,Buzzer in a circuit.Simulate in a single code.

#### **Solution:**



#### **Code:**

```
Int distance=0;

Long readUltrasonicDistance(int triggerPin,int echoPin)
{
pinMode(triggerPin,OUTPUT);
digitalWrite(triggerPin,LOW);
```

```

delayMicroseconds(2);

digitalWrite(triggerPin,HIGH);
delayMicroseconds(10);
digitalWrite(triggerPin,LOW);
pinMode(echoPin,INPUT);
return pulseIn(echoPin,HIGH);
}

Void setup()
{
Serial.begin(9600);
pinMode(1,OUTPUT);
}

Void loop()
{
Distance=0.01723*readUltrasonicDistance(2,3);
Serial.println(distance);

If(distance<30)
{
digitalWrite(1,HIGH);
}

If(distance >=30)
{
digitalWrite(1,LOW);
}
}

```

