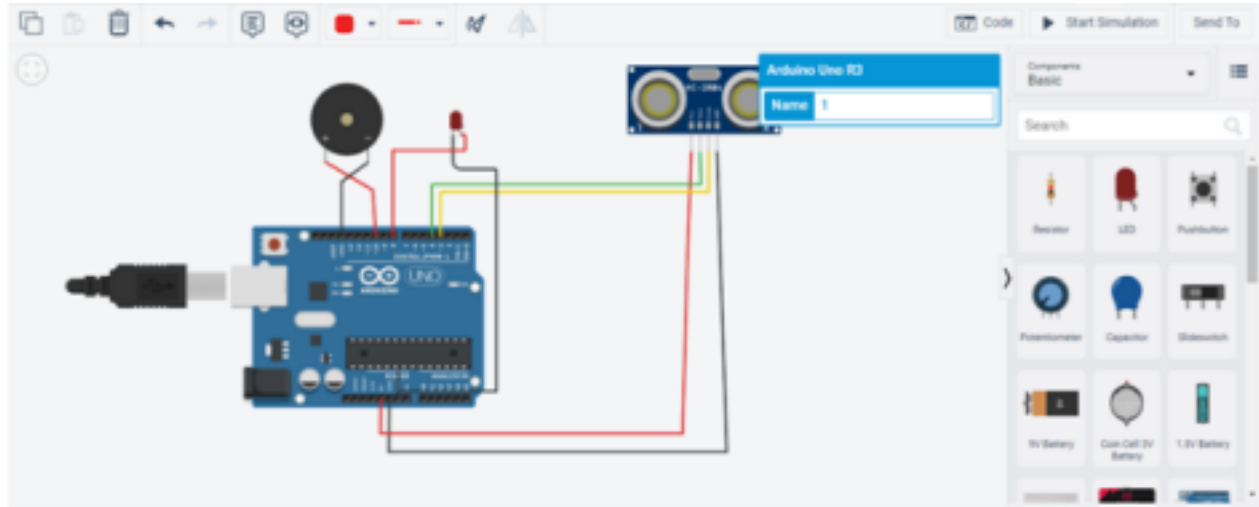


CIRCUIT DIAGRAM



Code:

```
int trigpin=4;
int echopin=3;
int buzzerpin=10;
int time;
int distance;

void setup()
{
  pinMode(8,OUTPUT);
  pinMode(3,INPUT);
  pinMode(4,OUTPUT);
  pinMode(10,OUTPUT);
  Serial.begin(9600);
}
void loop()
```

ASSINMENT 1

```
{  
  digitalWrite(trigpin, HIGH);  
  delayMicroseconds(1000);  
  digitalWrite(trigpin, LOW);  
  delayMicroseconds(1000);  
  time=pulseIn(echopin,HIGH);  
  distance=(time*0.034)/2;  
  if(distance<=10)  
  {  
    Serial.print("Distance= ");  
    Serial.println(distance);  
    digitalWrite(8,HIGH);  
    delay(1000);  
    digitalWrite(10,LOW);  
    delay(1000);  
  }  
  else  
  {  
    Serial.print("Distance= ");  
    Serial.println(distance);  
    digitalWrite(8,LOW);  
    delay(1000);  
    digitalWrite(10,HIGH);  
    delay(1000);  
  }  
}
```

ASSINMENT 1

}
OUTPUT

