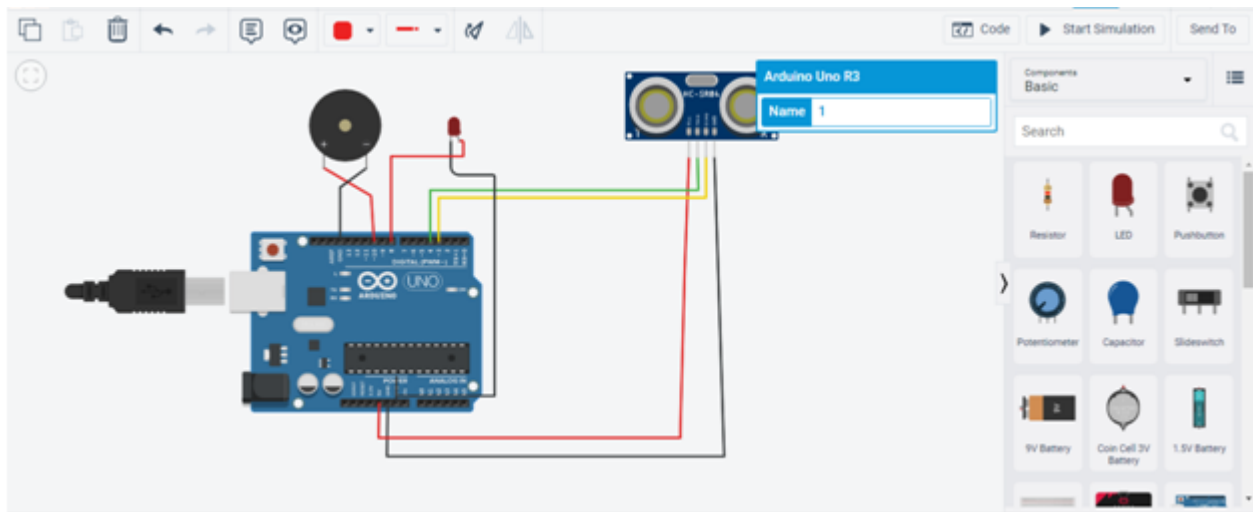


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CIRCUIT DIAGRAM



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()
{
    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);
    }
}
```

OUTPUT

