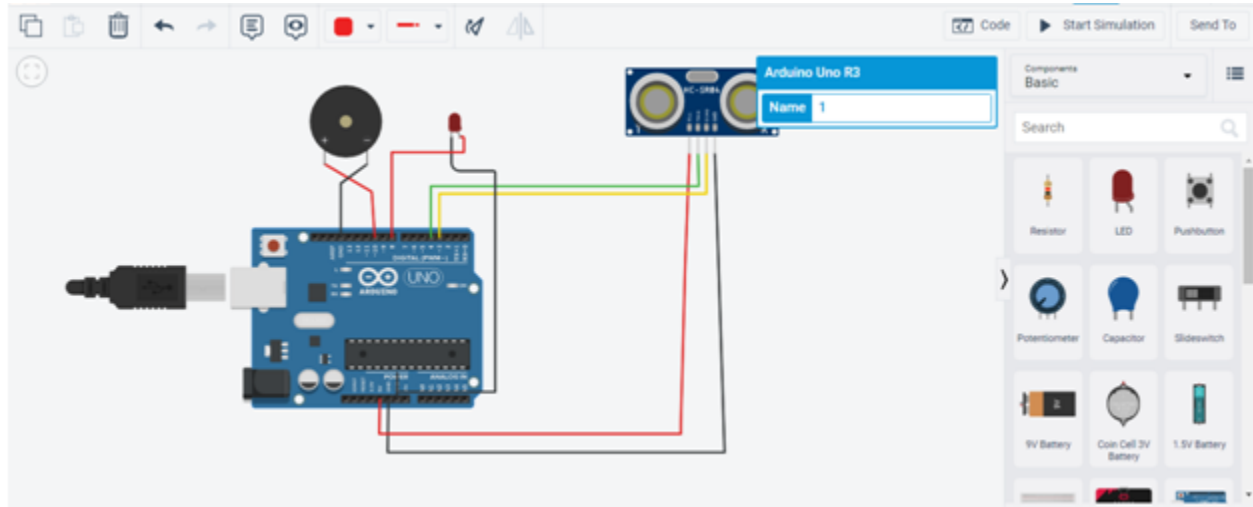


## CIRCUIT DIAGRAM



## 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);
}
```

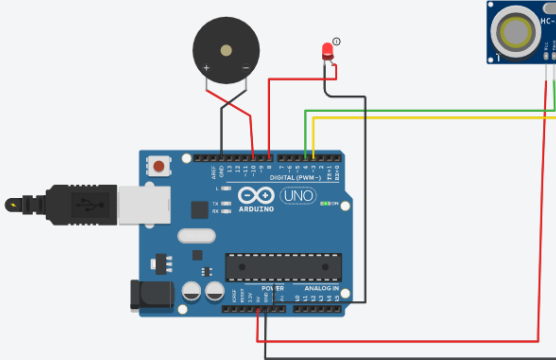
```
void loop()
{
  digitalWrite(trigpin, HIGH);
  delayMicroseconds(1000);
  digitalWrite(trigpin, LOW);
  delayMicroseconds(1000);
  time=pulseIn(echopin,HIGH);
  distance=(time*0.034)/2;
  if(distance<=10)
  {
    Serial.print("Distance= ");
    Serial.println(distance);
    digitalWrite(8,HIGH);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

Simulator time: 00:00:02.664

Code Stop Simulation Send

1 (Arduino Uno R3)



```
18 digitalWrite(trigpin, HIGH);
19 delayMicroseconds(1000);
20 digitalWrite(trigpin, LOW);
21 delayMicroseconds(1000);
22 time=pulseIn(echopin,HIGH);
23 distance=(time*0.034)/2;
24 if(distance<=10)
25 {
26   Serial.print("Distance= ");
27   Serial.println(distance);
28   digitalWrite(8,HIGH);
29   delay(1000);
30   digitalWrite(10,LOW);
31   delay(1000);
32 }
33 else
34 {
35   Serial.print("Distance= ");
36   Serial.println(distance);
37   digitalWrite(8,LOW);
38   delay(1000);
39   digitalWrite(10,HIGH);
40   delay(1000);
41 }
42 }
43 }
```

Serial Monitor