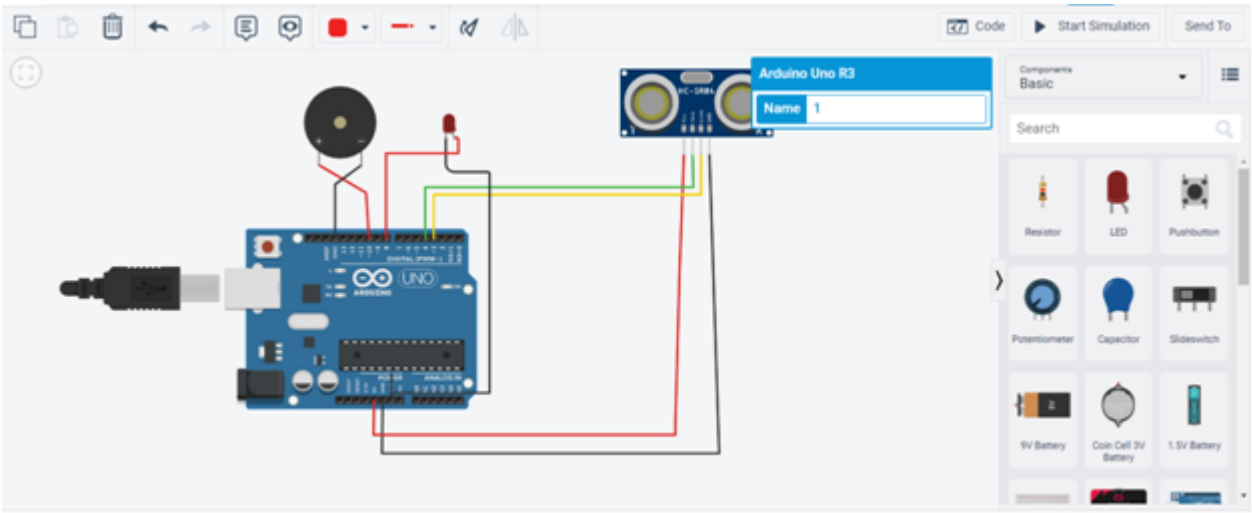
CIRCUIT DIAGRAM



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