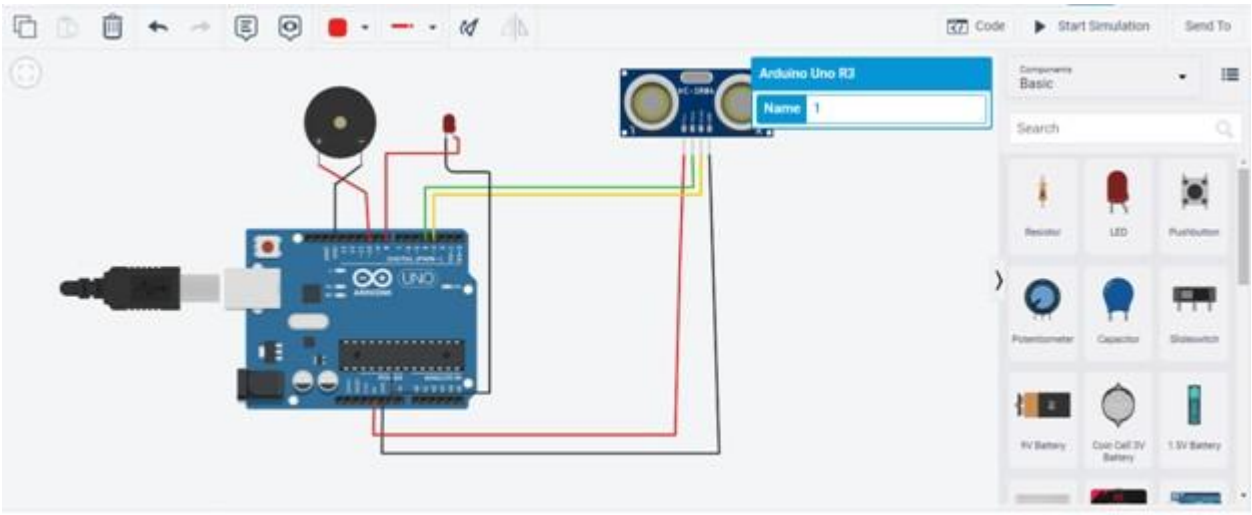
CIRCUIT DIAGRAM



Code:

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


void setup()
{

}
```

Edit with WPS Office

```
pinMode(8,OUTPUT);
pinMode(3,INPUT);
pinMode(4,OUTPUT);
pinMode(10,OUTPUT);
Serial.begin(9600);
```

```
}
```

Edit with WPS Office

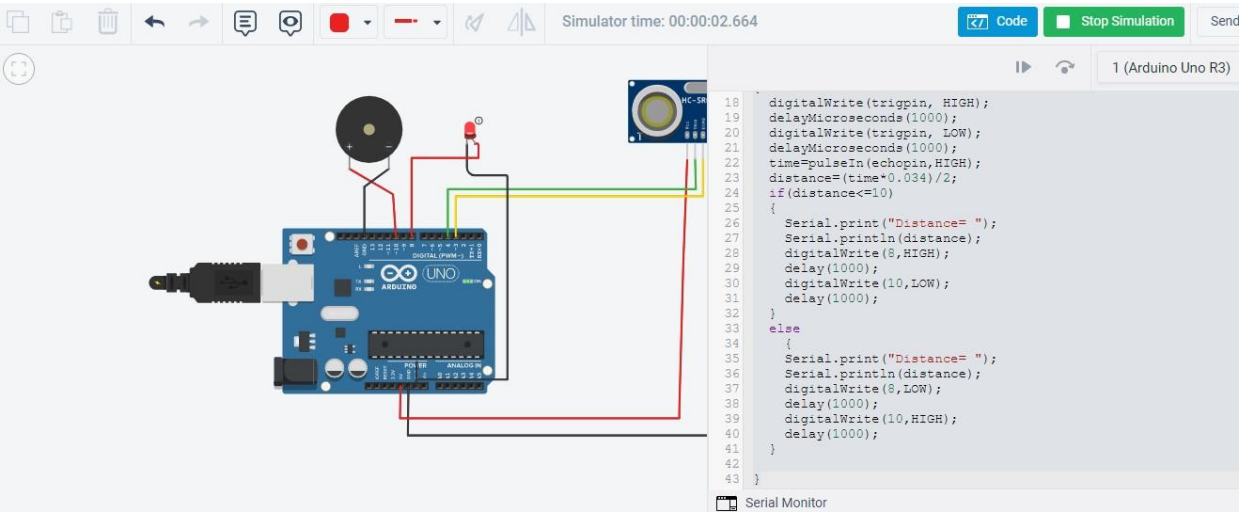
```
void loop()
{
 digitalWrite(trigpin,
 HIGH);
 delayMicroseconds(100
 0); digitalWrite(trigpin,
 LOW);
 delayMicroseconds(100
 0);
 time=pulseIn(echopin,H
 IGH);
 distance=(time*0.034)
 /2; if(distance<=10)
 {
  Serial.print("Distance= ");
  Serial.println(distance);
  digitalWrite(8,HIGH);
  delay(1000);
  digitalWrite(10,LOW);
  delay(1000);
 }
}
```

Edit with WPS Office

```
  else
    {
    Serial.print("Distance= ");
    Serial.println(distance);
    digitalWrite(8,LOW);
    delay(1000);
    digitalWrite(10,HIGH);
    delay(1000);
  }
}
```

Edit with WPS Office

OUTPUT



Edit with WPS Office