

 Serial Monitor

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1 (Arduino Uno R3)

```
26 Serial.begin(9600);
27 }
28
29 void loop()
30 {
31   int LDR2 = analogRead(LDR);
32   Serial.println(LDR2);
33   if (LDR2 <= 50)
34   {
35     digitalWrite(LED, HIGH);
36     digitalWrite(2, HIGH);
37     digitalWrite(3, HIGH);
38     digitalWrite(4, HIGH);
39   }
40   else
41   {
42     digitalWrite(LED, LOW);
43     digitalWrite(2, LOW);
44     digitalWrite(3, LOW);
45     digitalWrite(4, LOW);
46   }
47   int TEMP = analogRead(TMP);
48   float VOLT = TEMP*5.0;
49   VOLT /= 1024.0;
```

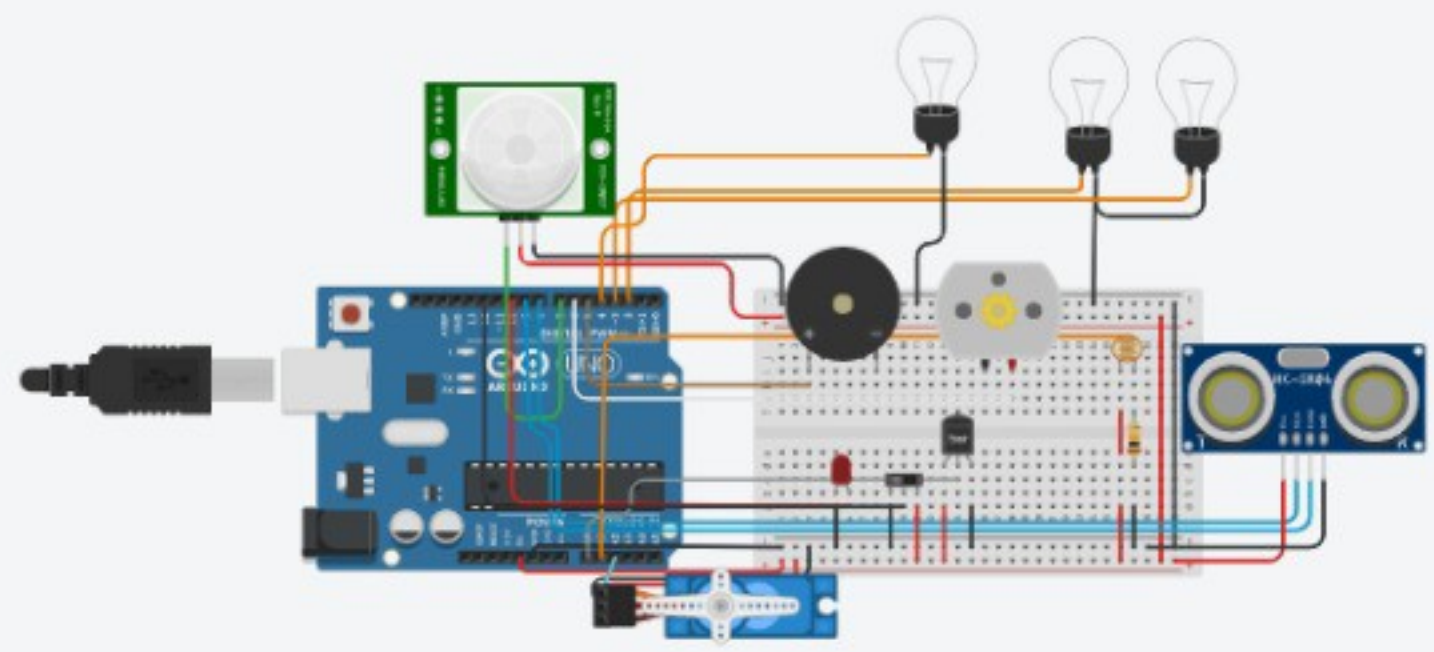
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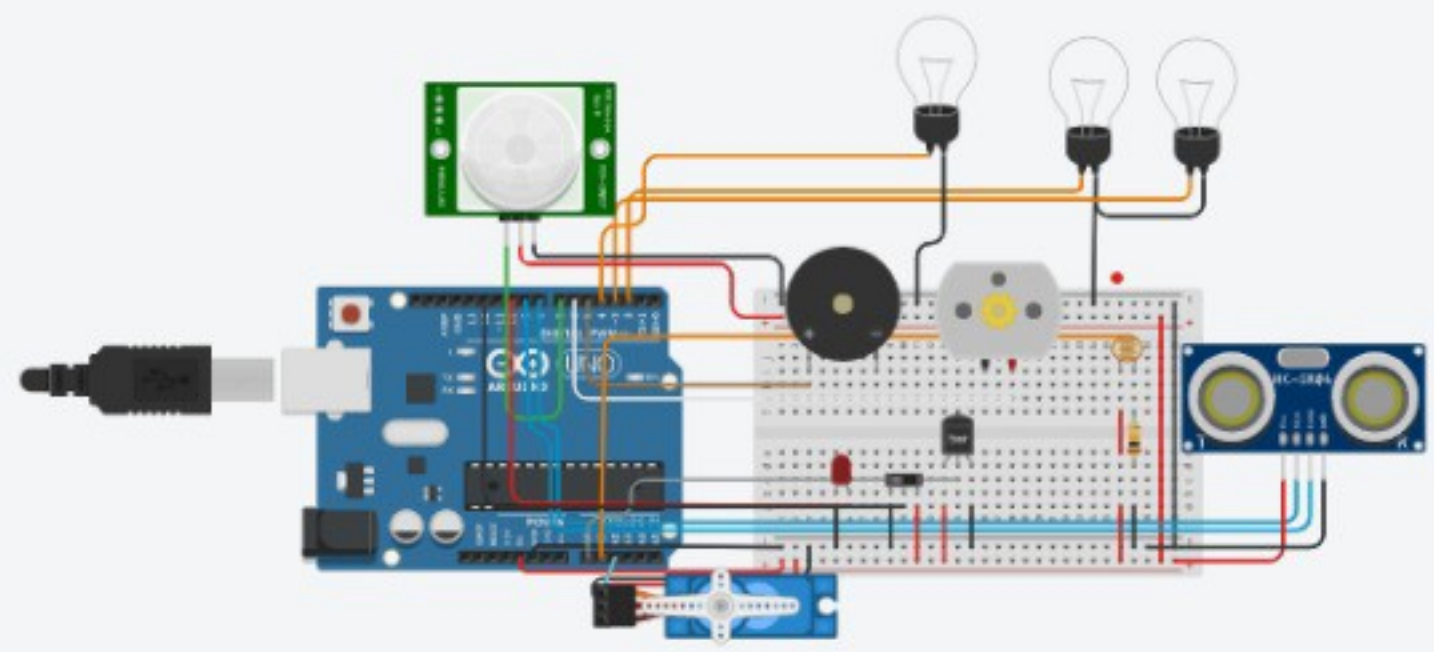
1 (Arduino Uno R3)

```

48 float VOLT = TEMP*5.0;
49 VOLT /= 1024.0;
50 float TempC = (VOLT - 0.5)*100;
51 if(TempC >= 30)
52 {
53     digitalWrite(MTR,HIGH);
54 }
55 else
56 {
57     digitalWrite(MTR,LOW);
58 }
59 D = digitalRead(12);
60 if(D == 1)
61 {
62     door.write(100);
63 }
64 else
65 {
66     door.write(0);
67 }
68 long duration,distance;
69 digitalWrite(TRIG,HIGH);
70 delayMicroseconds(10);
71 digitalWrite(TRIG,LOW);

```

 Serial Monitor



Text    1 (Arduino Uno R3) 

```

68 long duration,distance;
69 digitalWrite(TRIG,HIGH);
70 delayMicroseconds(10);
71 digitalWrite(TRIG,LOW);
72 duration = pulseIn(ECHO,HIGH);
73 distance = duration/58.2;
74 if(distance <= 50 && distance >= 0)
75 {
76 digitalWrite(BUZZER,HIGH);
77 }
78 else
79 {
80 digitalWrite(BUZZER,LOW);
81 }
82 delay(60);
83 if(digitalRead(PIR) == HIGH)
84 {
85 digitalWrite(BUZZER,HIGH);
86 }
87 else
88 {
89 digitalWrite(BUZZER,LOW);
90 }
91 }

```

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