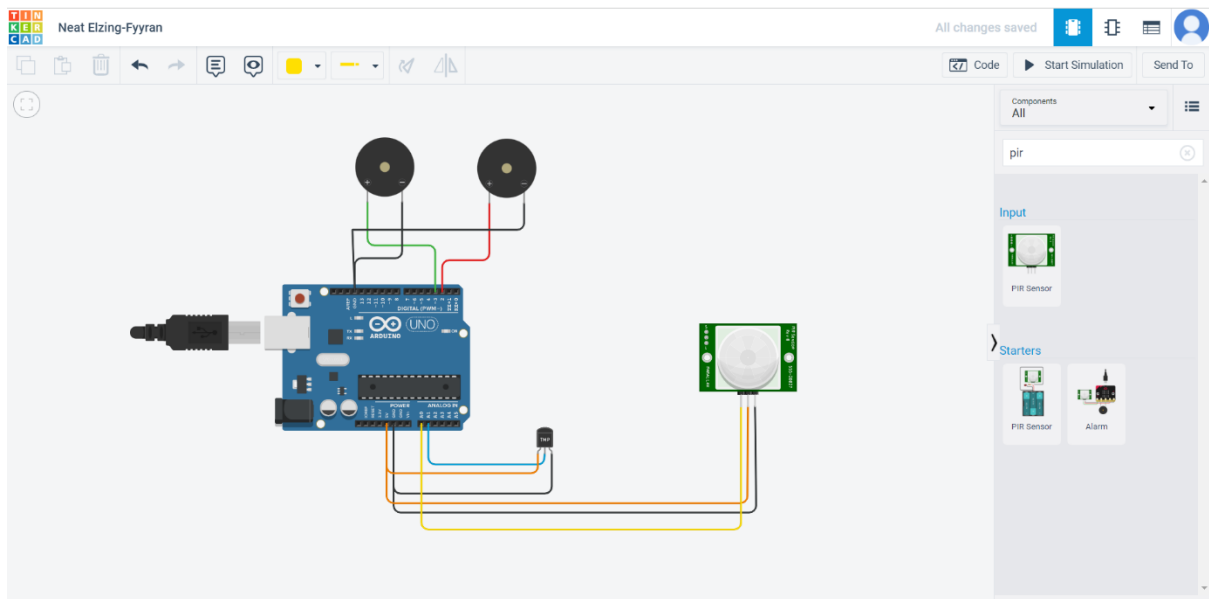
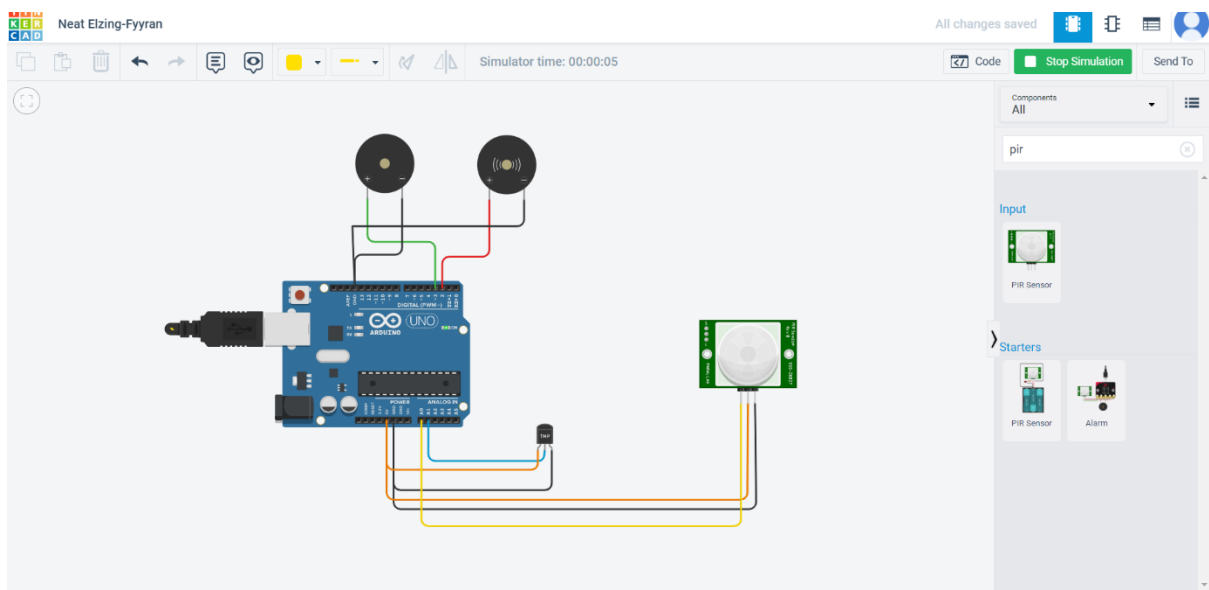


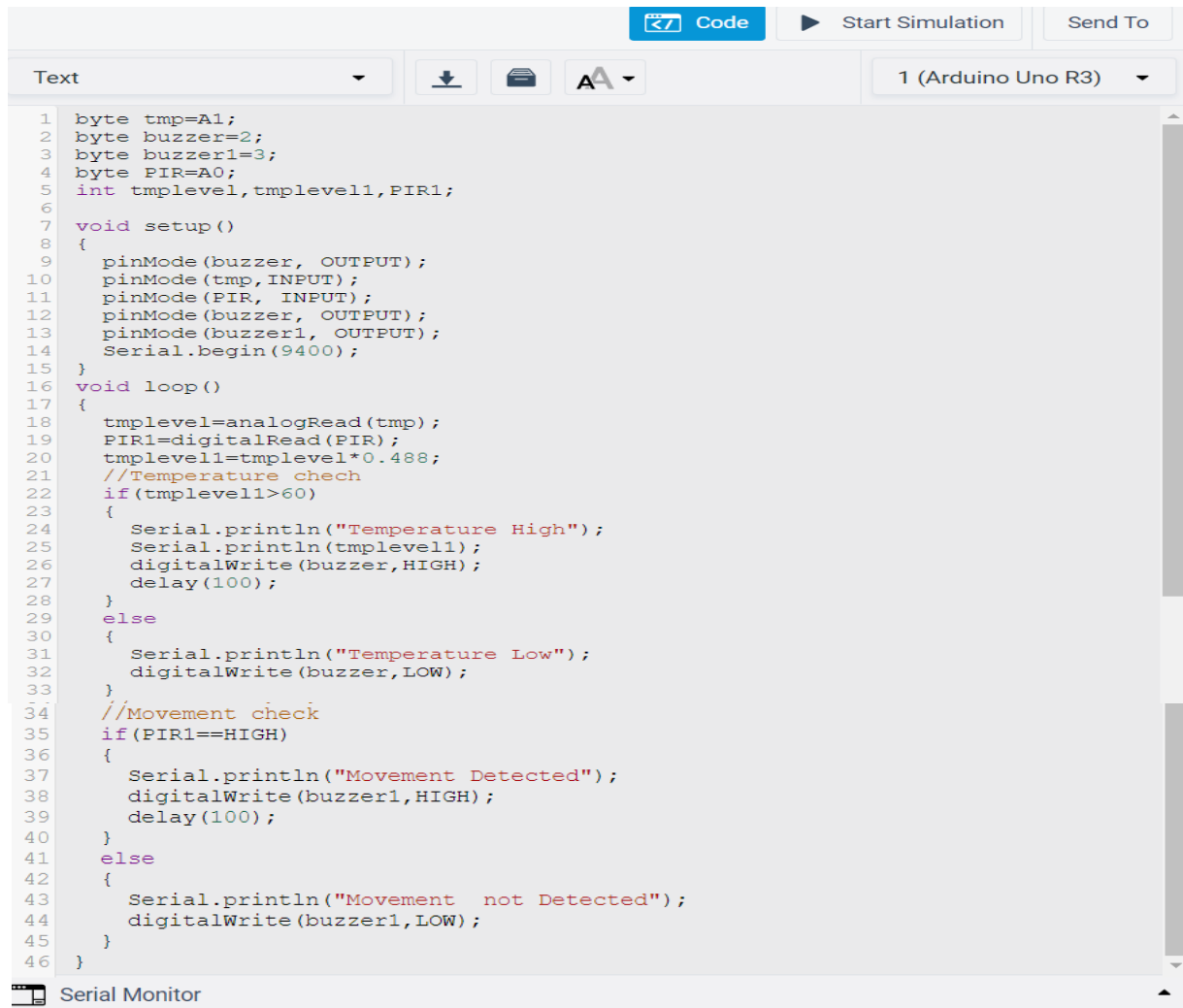
## BEFORE SIMULATION:



## AFTER SIMULATION:



CODE:



The screenshot shows the Arduino IDE interface. At the top, there are buttons for 'Code', 'Start Simulation', and 'Send To'. Below these is a toolbar with icons for saving, printing, and font settings. The main text area contains the following C++ code:

```
1 byte tmp=A1;
2 byte buzzer=2;
3 byte buzzer1=3;
4 byte PIR=A0;
5 int tmplevel,tmplevel1,PIR1;
6
7 void setup()
8 {
9   pinMode(buzzer, OUTPUT);
10  pinMode(tmp, INPUT);
11  pinMode(PIR, INPUT);
12  pinMode(buzzer, OUTPUT);
13  pinMode(buzzer1, OUTPUT);
14  Serial.begin(9400);
15 }
16 void loop()
17 {
18   tmplevel=analogRead(tmp);
19   PIR1=digitalRead(PIR);
20   tmplevel1=tmplevel*0.488;
21   //Temperature check
22   if(tmplevel1>60)
23   {
24     Serial.println("Temperature High");
25     Serial.println(tmplevel1);
26     digitalWrite(buzzer,HIGH);
27     delay(100);
28   }
29   else
30   {
31     Serial.println("Temperature Low");
32     digitalWrite(buzzer,LOW);
33   }
34   //Movement check
35   if(PIR1==HIGH)
36   {
37     Serial.println("Movement Detected");
38     digitalWrite(buzzer1,HIGH);
39     delay(100);
40   }
41   else
42   {
43     Serial.println("Movement not Detected");
44     digitalWrite(buzzer1,LOW);
45   }
46 }
```

At the bottom of the IDE, there is a 'Serial Monitor' tab, which is currently empty.