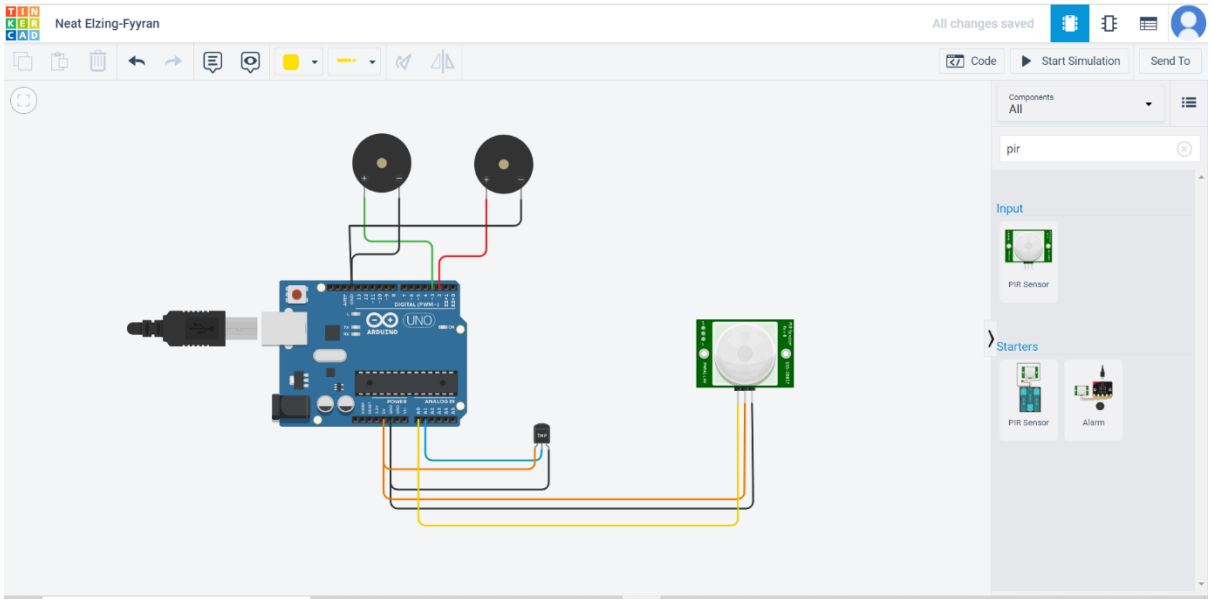
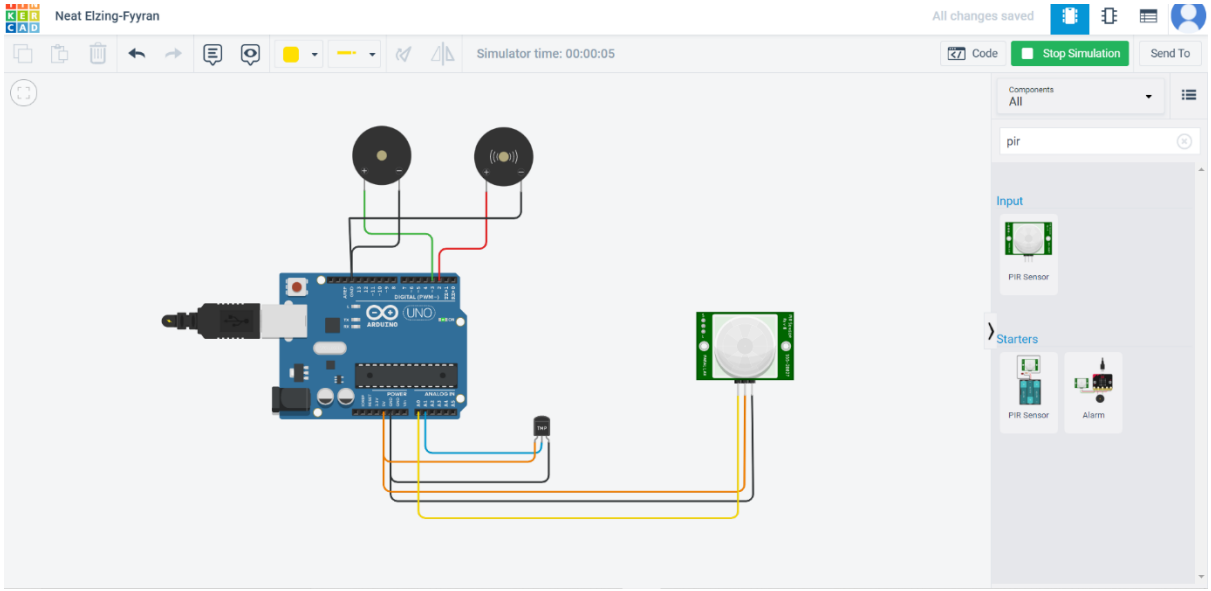
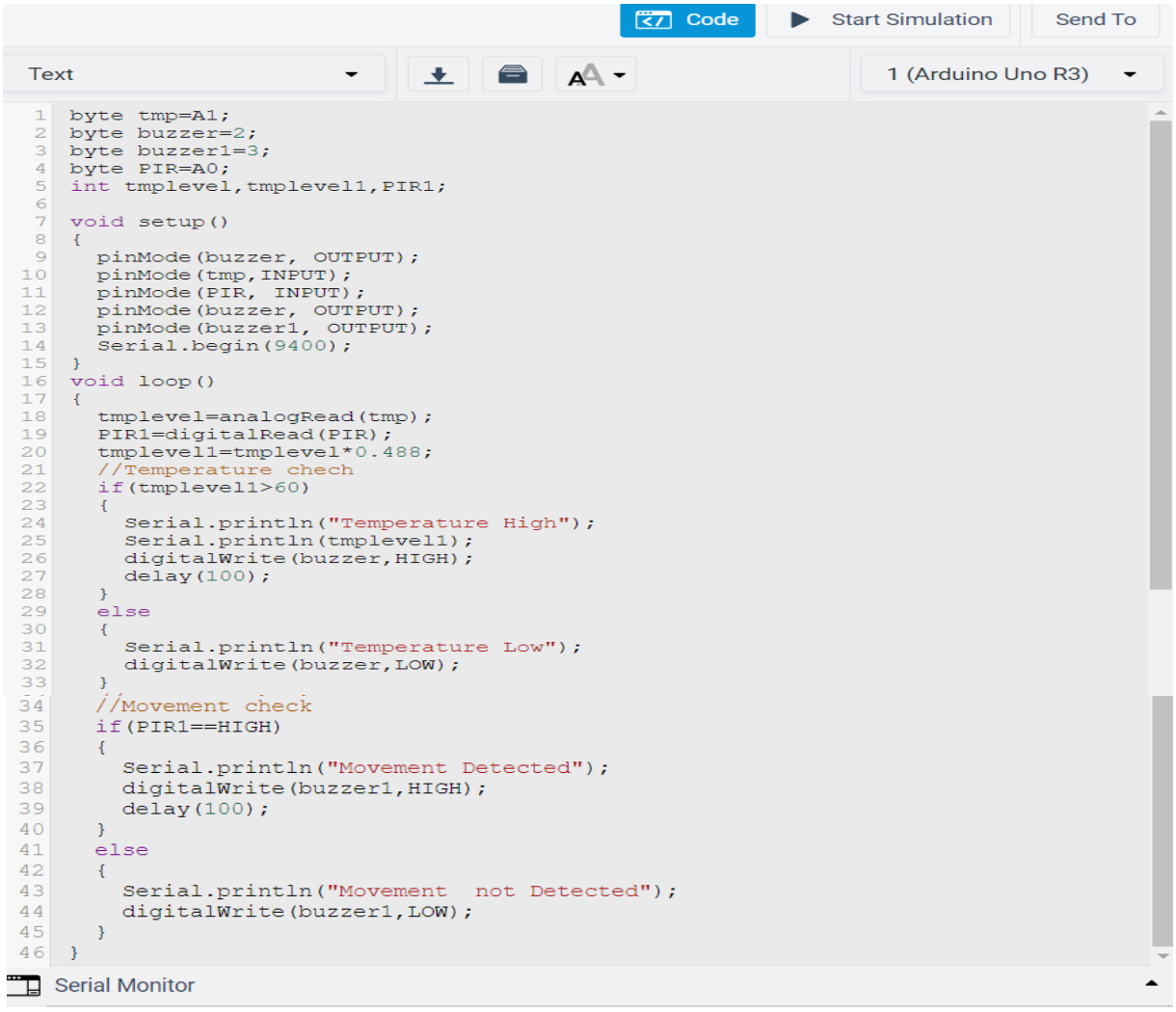
BEFORE SIMULATION:



AFTER SIMULATION:



CODE:


Code
Start Simulation
Send To
Text
1 (Arduino Uno R3)
byte tmp=A1;
byte buzzer=2;
byte buzzer1=3;
byte PIR=A0;
int tmplevel,tmplevel1,PIR1;
void setup()
{
pinMode(buzzer, OUTPUT);
pinMode(tmp,INPUT);
pinMode(PIR, INPUT);
pinMode(buzzer, OUTPUT);
pinMode(buzzer1, OUTPUT);
Serial.begin(9400);
}
void loop()
{
tmplevel=analogRead(tmp);
PIR1=digitalRead(PIR);
tmplevel1=tmplevel*0.488;
//Temperature chech
if(tmplevel1>60)
{
Serial.println("Temperature High");
Serial.println(tmplevel1);
digitalWrite(buzzer,HIGH);
delay(100);
}
else
{
Serial.println("Temperature Low");
digitalWrite(buzzer,LOW);
}
//Movement check
if(PIR1==HIGH)
{
Serial.println("Movement Detected");
digitalWrite(buzzer1,HIGH);
delay(100);
}
else
{
Serial.println("Movement not Detected");
digitalWrite(buzzer1,LOW);
}
}
Serial Monitor