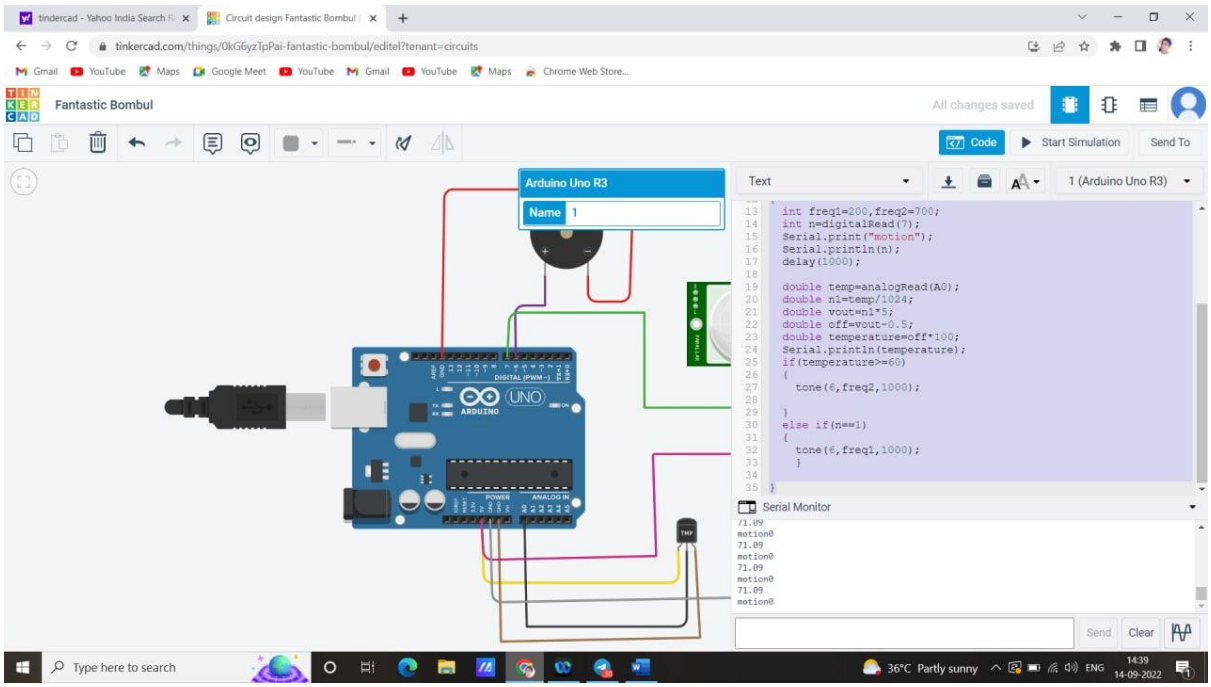
CODE

```
/ C++ code
//
void setup()
{
 Serial.begin(9600);
  pinMode(7,INPUT);
  pinMode(6,OUTPUT);
}

void loop()
{
  int freq1=200,freq2=700;
  int n=digitalRead(7);
  Serial.print("motion");
  Serial.println(n);
  delay(1000);
   double temp=analogRead(A0);
  double n1=temp/1024;
  double vout=n1*5;
  double off=vout-0.5;
  double temperature=off*100;
  Serial.println(temperature);
  if(temperature>=60)
  {
    tone(6,freq2,1000);

  }
  else if(n==1)
  {
    tone(6,freq1,1000);
    }
  }
```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Circuit design Fantastic Bombul
tinkercad.com/things/0kG6yzTpPai-fantastic-bombul/editel?tenant=circuits
Fantastic Bombul
All changes saved
Code
Start Simulation
Send To
Arduino Uno R3
Name 1
Text
1 (Arduino Uno R3)
int freq1=200,freq2=700;
int n=digitalRead(7);
Serial.print("motion");
Serial.println(n);
delay(1000);
double temp=analogRead(A0);
double n1=temp/1024;
double vout=n1*5;
double off=vout-0.5;
double temperature=off*100;
Serial.println(temperature);
if(temperature>=60)
{
tone(6,freq2,1000);
}
else if(n==1)
{
tone(6,freq1,1000);
}
}
Serial Monitor
71.09
motion0
71.09
motion0
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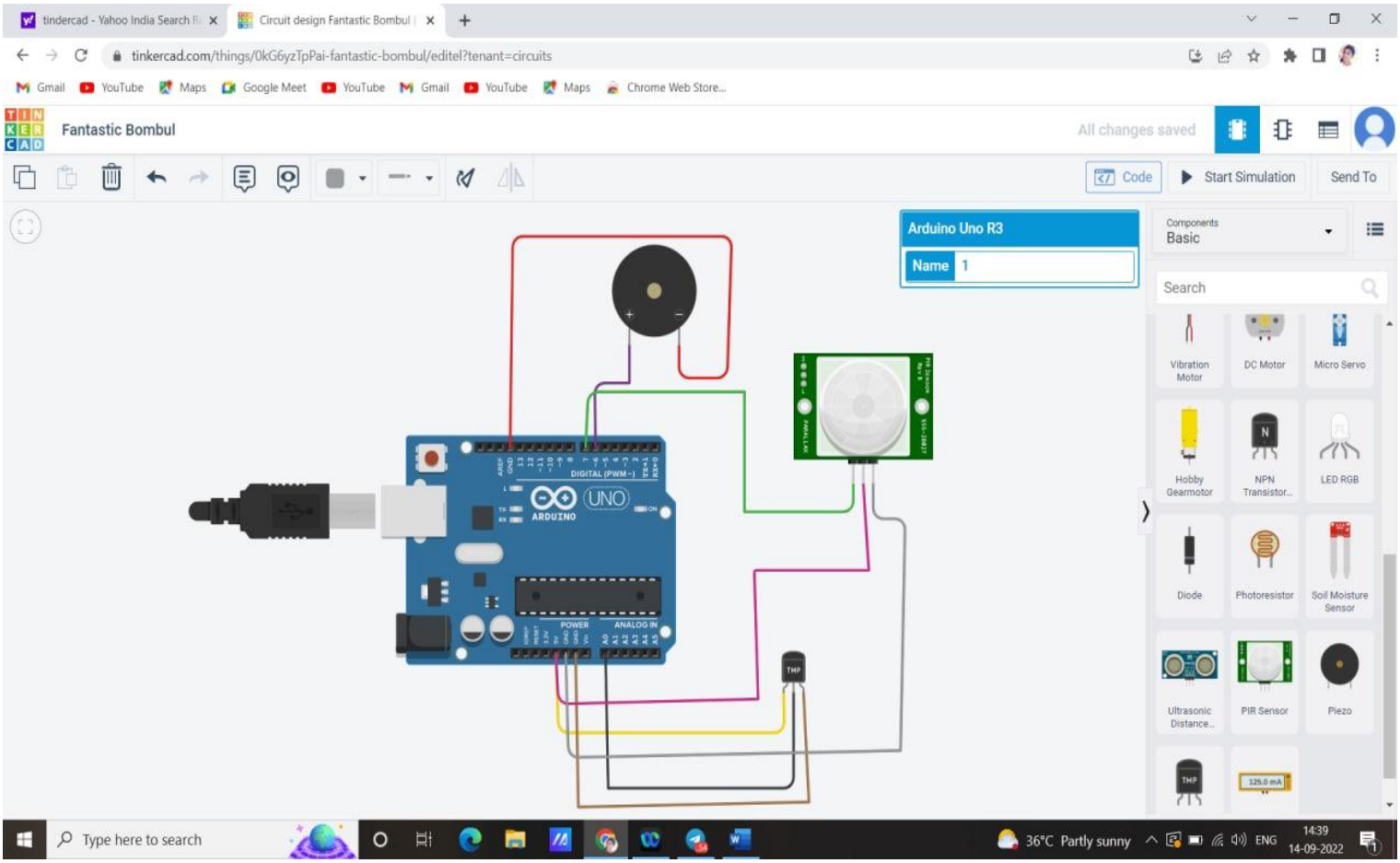
motion0
71.09
motion0
Send
Clear
Type here to search
36°C Partly sunny
ENG
14:39
14-09-2022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Fantastic Bombul
All changes saved
Code
Start Simulation
Send To
Arduino Uno R3
Name 1
Components
Basic
Search
Vibration Motor
DC Motor
Micro Servo
Hobby Gearmotor
NPN Transistor...
LED RGB
Diode
Photoresistor
Soil Moisture Sensor
Ultrasonic Distance...
PIR Sensor
Piezo
TMP
125.0 mA
DIGITAL (PWM~)
POWER
ANALOG IN
ARDUINO
UNO
Type here to search
36°C Partly sunny
ENG
14:39
14-09-2022