**CODE:**

void setup()

{

Serial.begin(9600);

pinMode(7,INPUT);

pinMode(6,OUTPUT);

}

void loop()

{

int freq1=300,freq2=600;

int n=digitalRead(7);

Serial.print("motion");

Serial.println(n);

delay(1000);

double temp=analogRead(A1);

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);

}

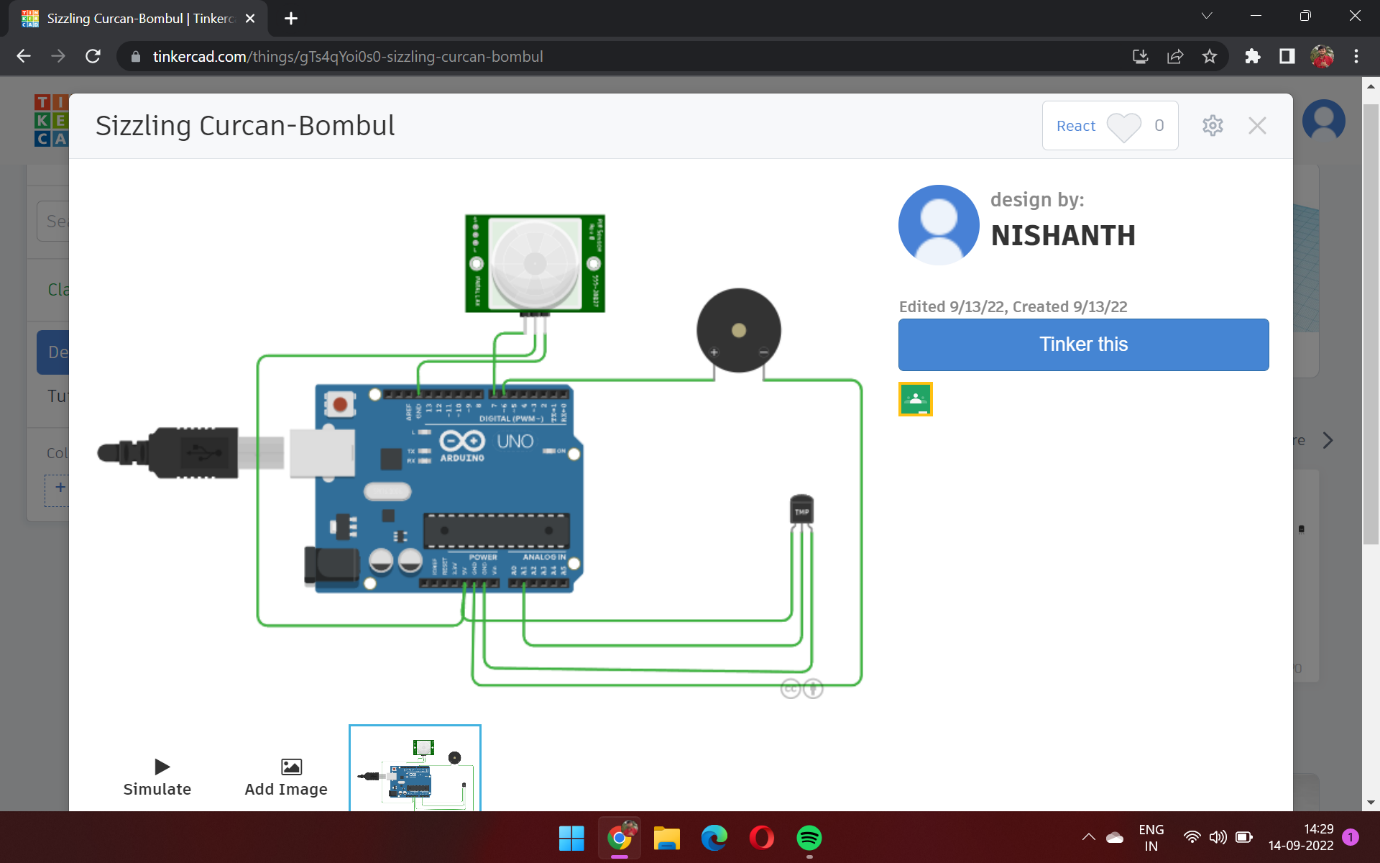
else if(n==1)

{

tone(6,freq1,1000);

}}

**SIMULATION:**



**OUTPUT**

