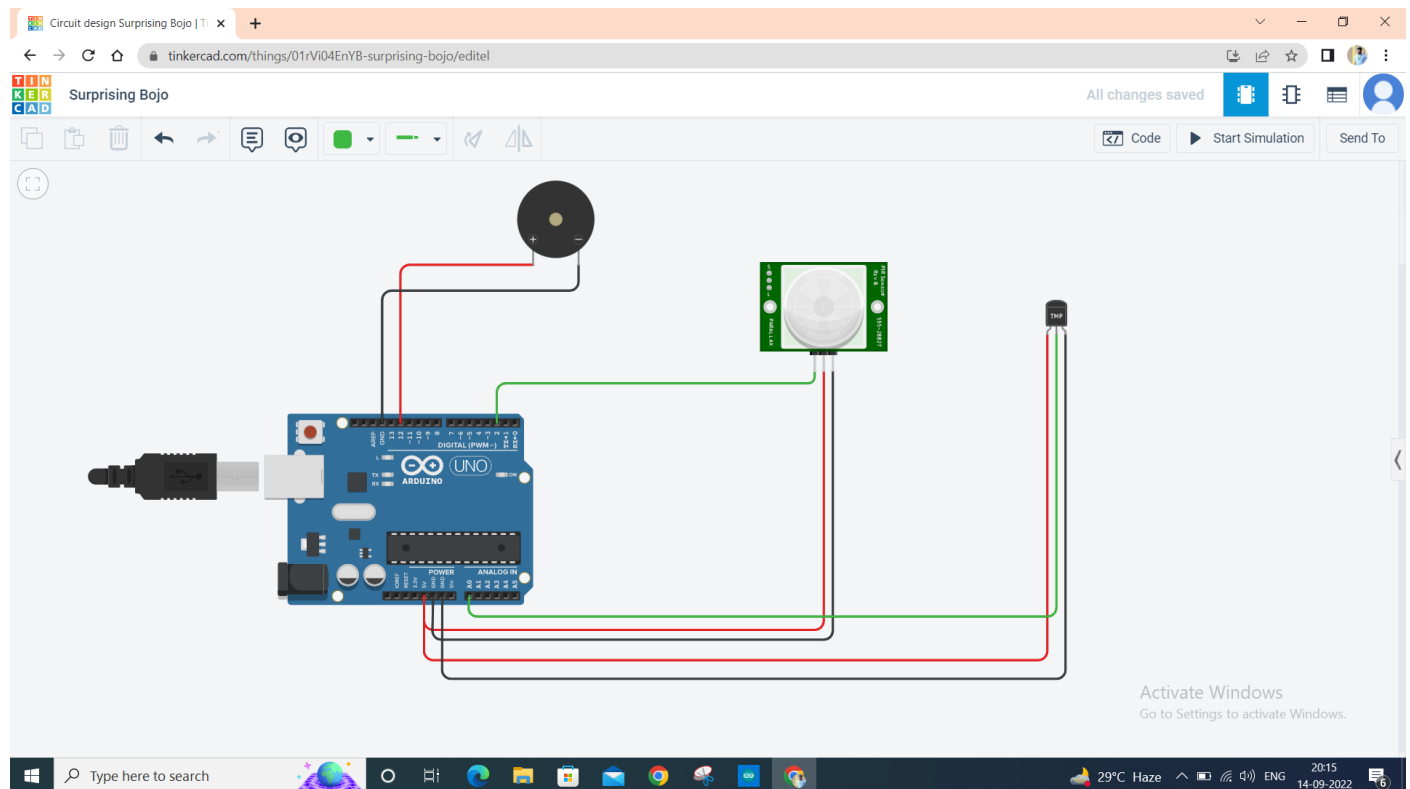
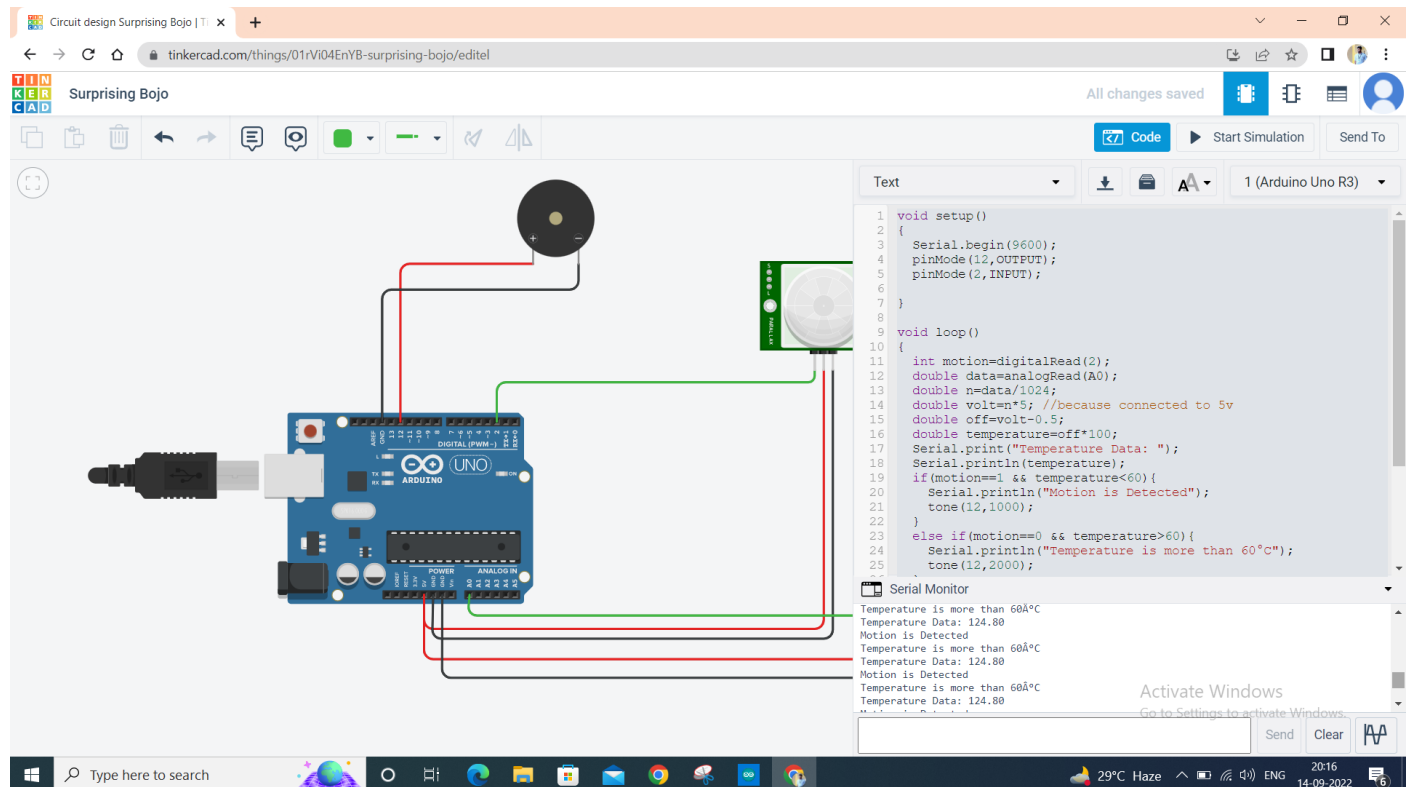


CIRCUIT DIAGRAM:



OUTPUT:



PROGRAM:

```
void setup()
{
    Serial.begin(9600);
    pinMode(12,OUTPUT);
    pinMode(2,INPUT);
}

void loop()
{
    int motion=digitalRead(2);
    double data=analogRead(A0);
    double n=data/1024;
    double volt=n*5; //because connected to 5v
    double off=volt-0.5;
    double temperature=off*100;
    Serial.print("Temperature Data: ");
    Serial.println(temperature);
    if(motion==1 && temperature<60){
        Serial.println("Motion is Detected");
        tone(12,1000);
    }
    else if(motion==0 && temperature>60){
        Serial.println("Temperature is more than 60°C");
        tone(12,2000);
    }
    else if(motion==1 && temperature>60){
        Serial.println("Motion is Detected");
        Serial.println("Temperature is more than 60°C");
        tone(12,5000);
    }
    else if(motion==0 && temperature<60)
        noTone(12);
}
```

