

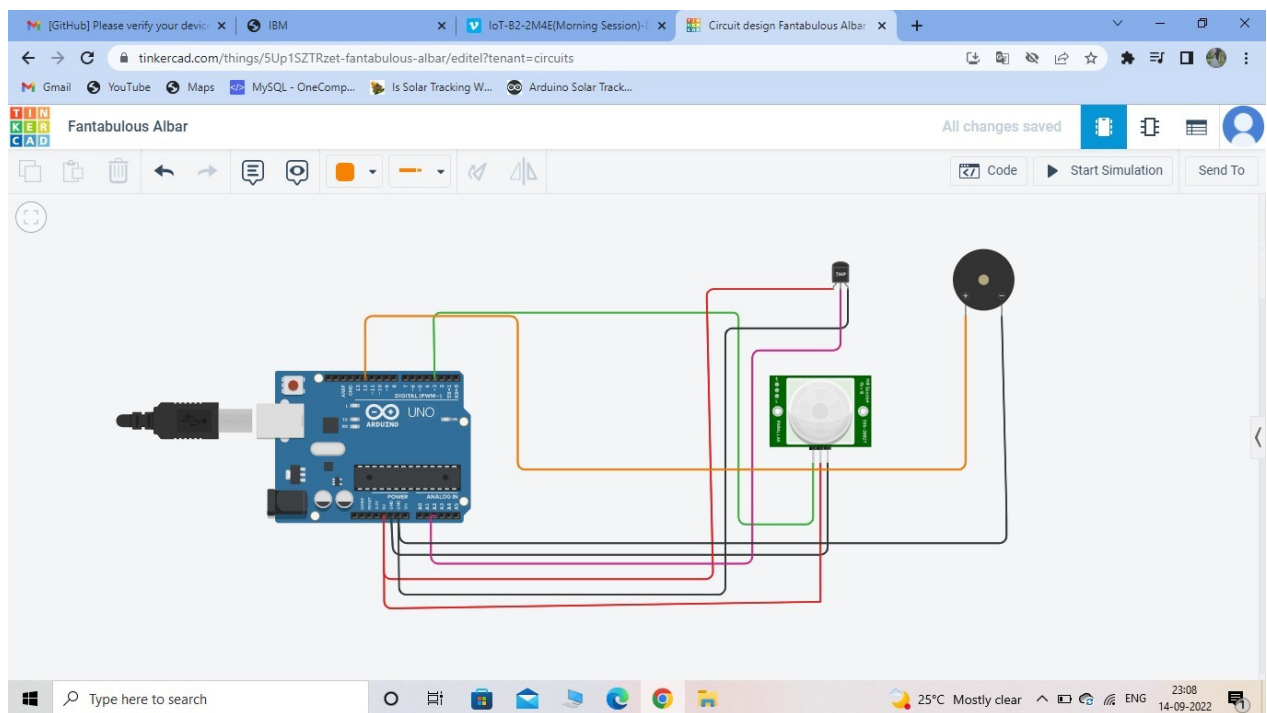
ASSIGNMENT-I

Assignment Date	02 SEPTEMBER 2022
Student Name	Ms.M.Shobika
Student Roll No	732919ECR127
Maximum Marks	2 Marks

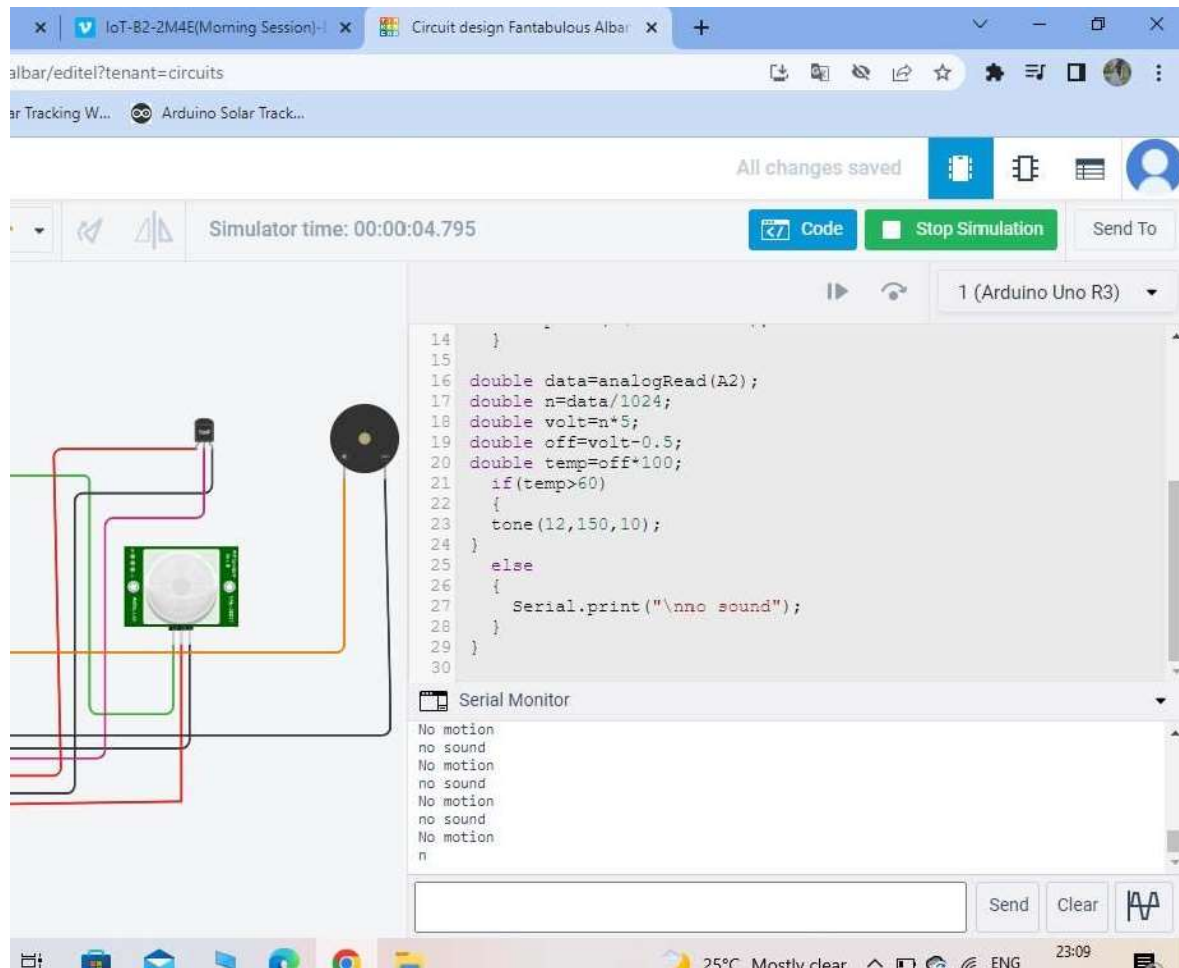
Please create circuit with Piezo alarm, PIR sensor, temperature sensor with below functionalities:

1. Alarm should sound in one manner if temp is above 60 C
2. Alarm should sound with another frequency if motion is detected in PIR sensor.

CONNECTION DIAGRAM:



OUTPUT:



VID_20220914_2312
07_0_COMPRESSED.

output video 1

CODING:

```
void setup() {  
    Serial.begin(9600);  
    pinMode(3,INPUT);  
    pinMode(12,OUTPUT);  
}  
void loop() {  
    int motion=digitalRead(3);  
    if(motion==1){  
        tone(12,250,100);  
    }  
    else{  
        Serial.print("\nNo motion");  
    }  
    double data=analogRead(A2);  
    double n=data/1024;  
    double volt=n*5;  
    double off=volt-0.5;  
    double temp=off*100;  
    if(temp>60){  
        tone(12,150,10);  
    } else  
    {  
        Serial.print("\nno sound");  
    }  
}
```