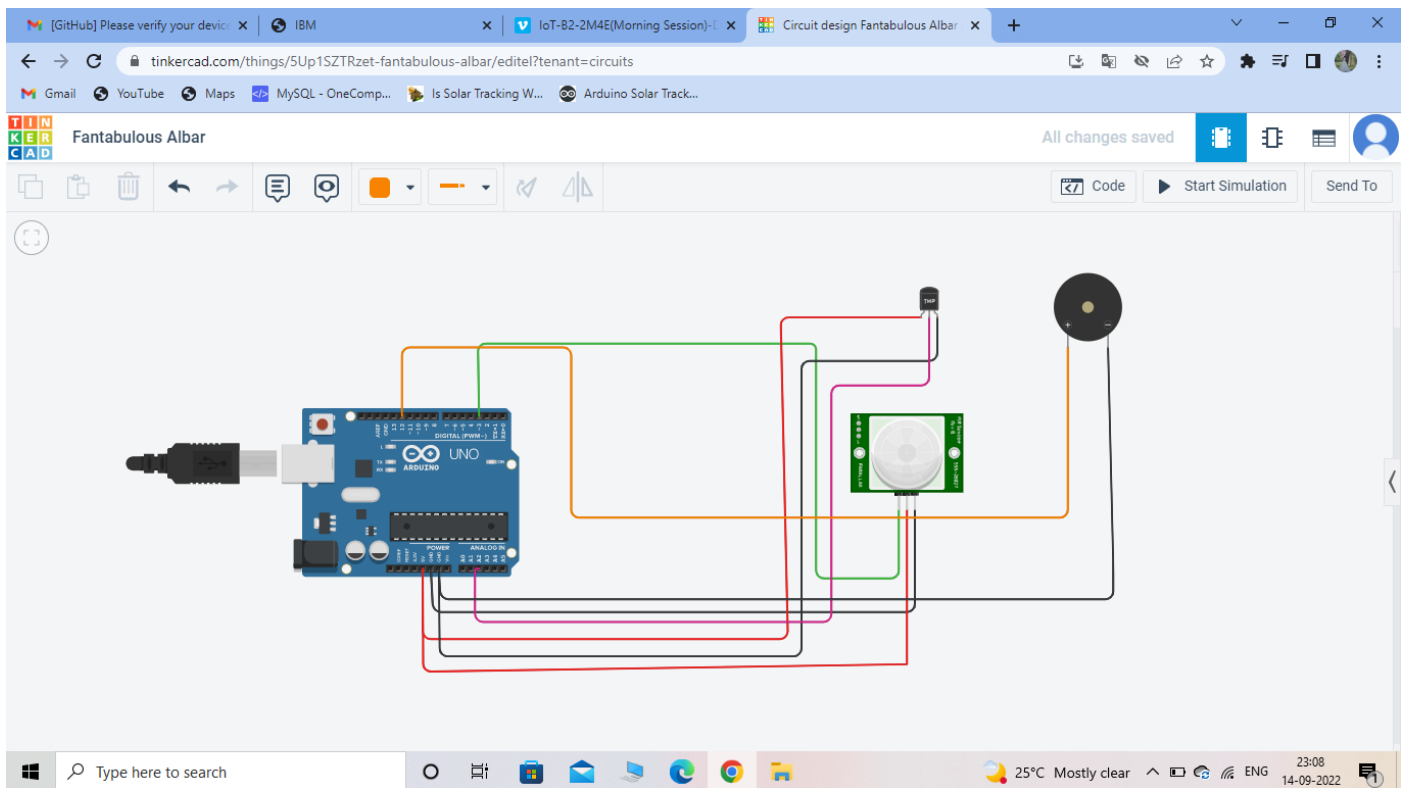


ASSIGNMENT

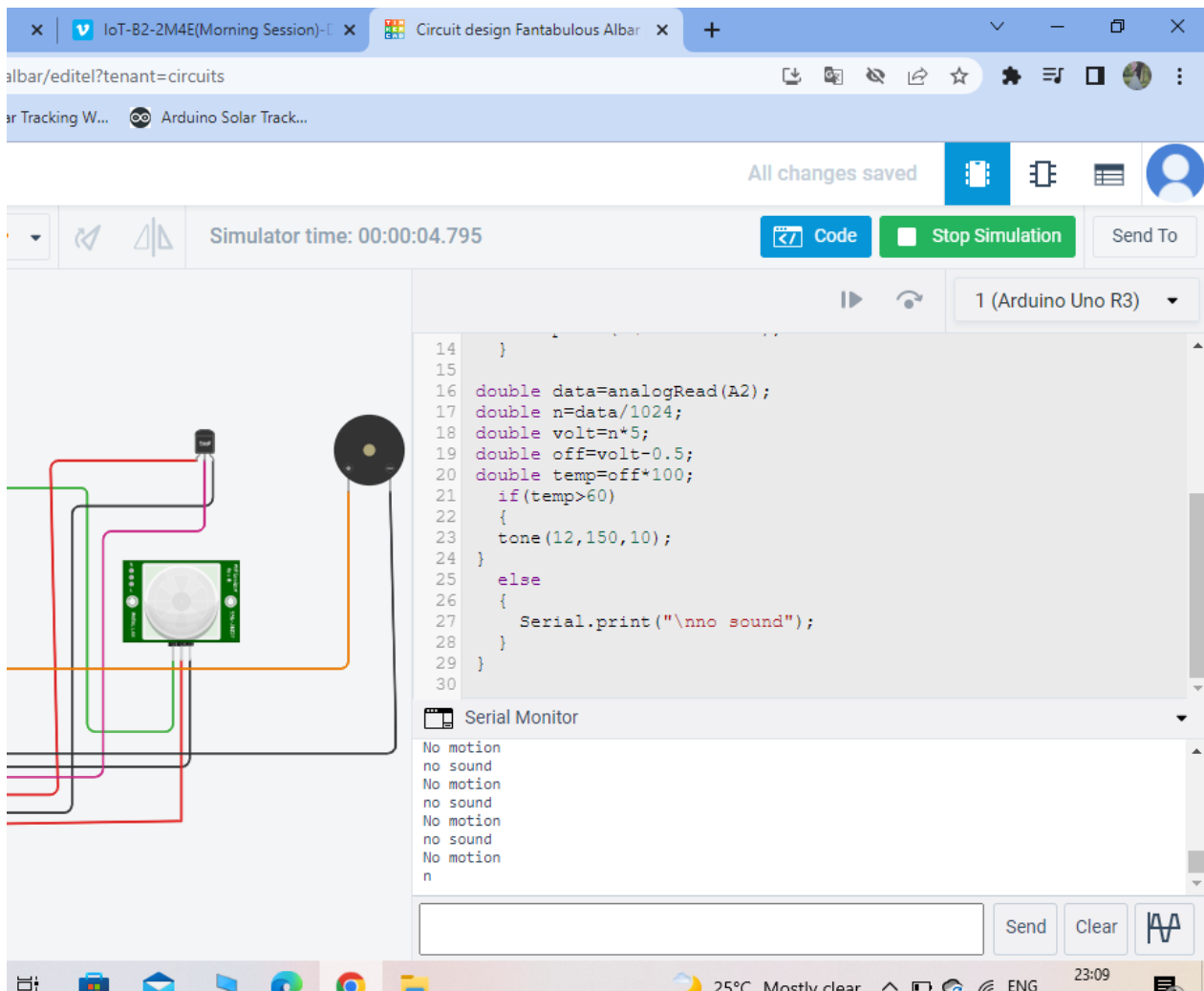
Please create circuit with Piezo alarm, PIR sensor, tmp sensor with below functionalities:

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:



The screenshot displays a web-based circuit simulator interface. The top navigation bar includes tabs for "IoT-B2-2M4E(Morning Session)-L" and "Circuit design Fantabulous Albar". The browser address bar shows "albar/editel?tenant=circuits". The simulator's status bar indicates "All changes saved" and "Simulator time: 00:00:04.795".

The circuit diagram on the left shows an Arduino Uno R3 connected to a sensor module (likely a DHT11) and a speaker. The code in the editor is as follows:

```
14 }
15
16 double data=analogRead(A2);
17 double n=data/1024;
18 double volt=n*5;
19 double off=volt-0.5;
20 double temp=off*100;
21 if(temp>60)
22 {
23   tone(12,150,10);
24 }
25 else
26 {
27   Serial.print("\nno sound");
28 }
29 }
30
```

The Serial Monitor at the bottom displays the output of the code:

```
No motion
no sound
No motion
no sound
No motion
no sound
No motion
n
```



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");
  }
}
```

