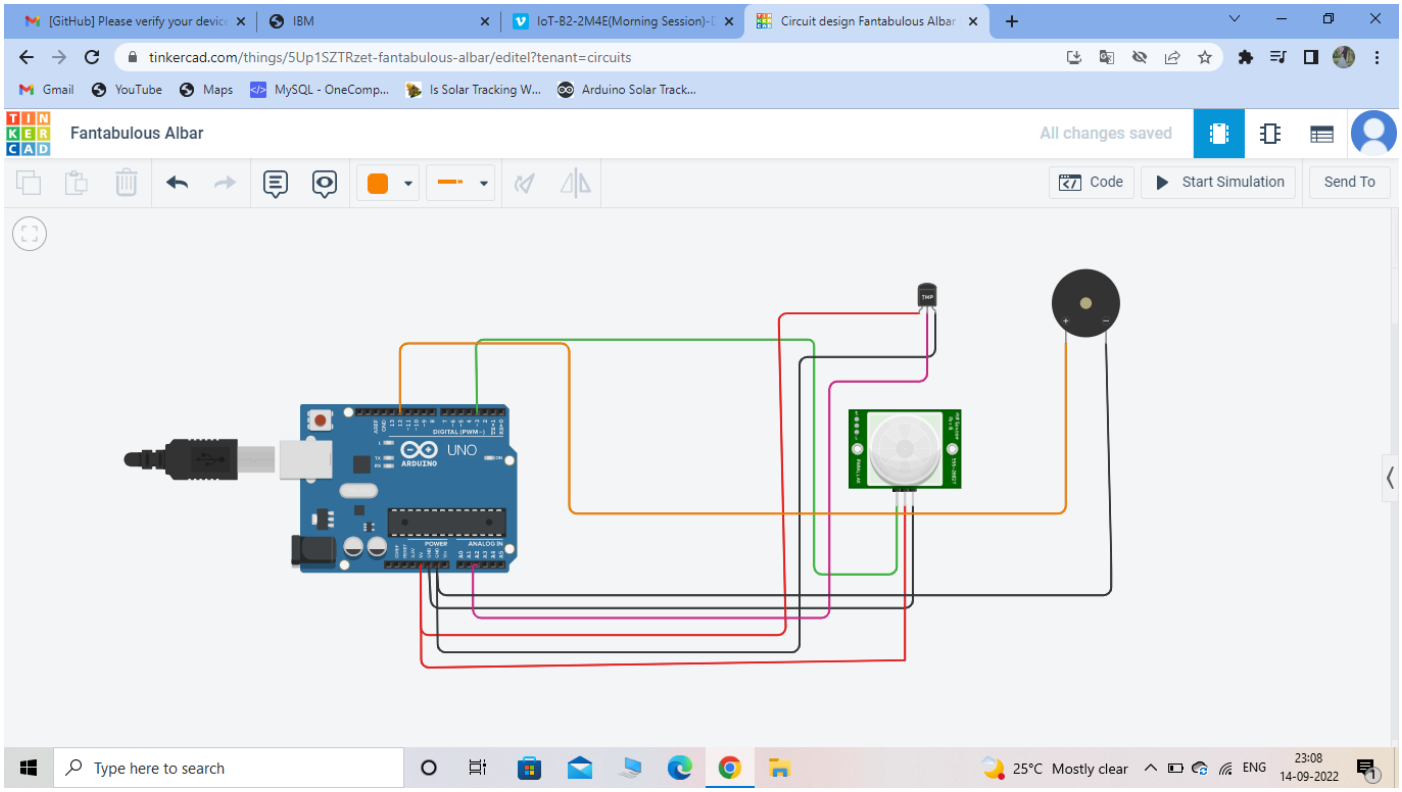
ASSIGNMENT

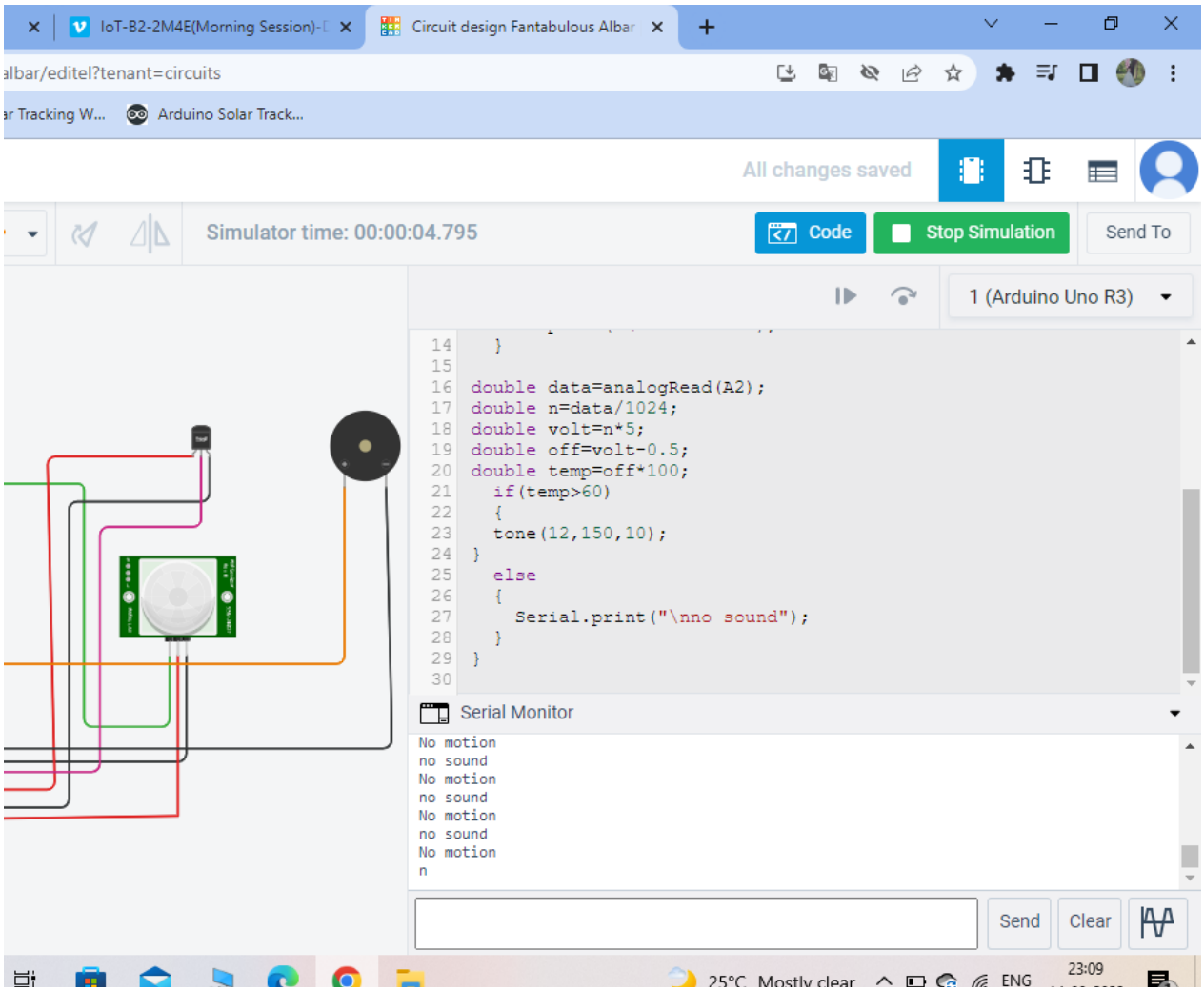
Please create circuit with Piezo alarm, PIR sensor, tmp sensor with below functionalities:

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:



VID_20220914_231207_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");
  }
}
```