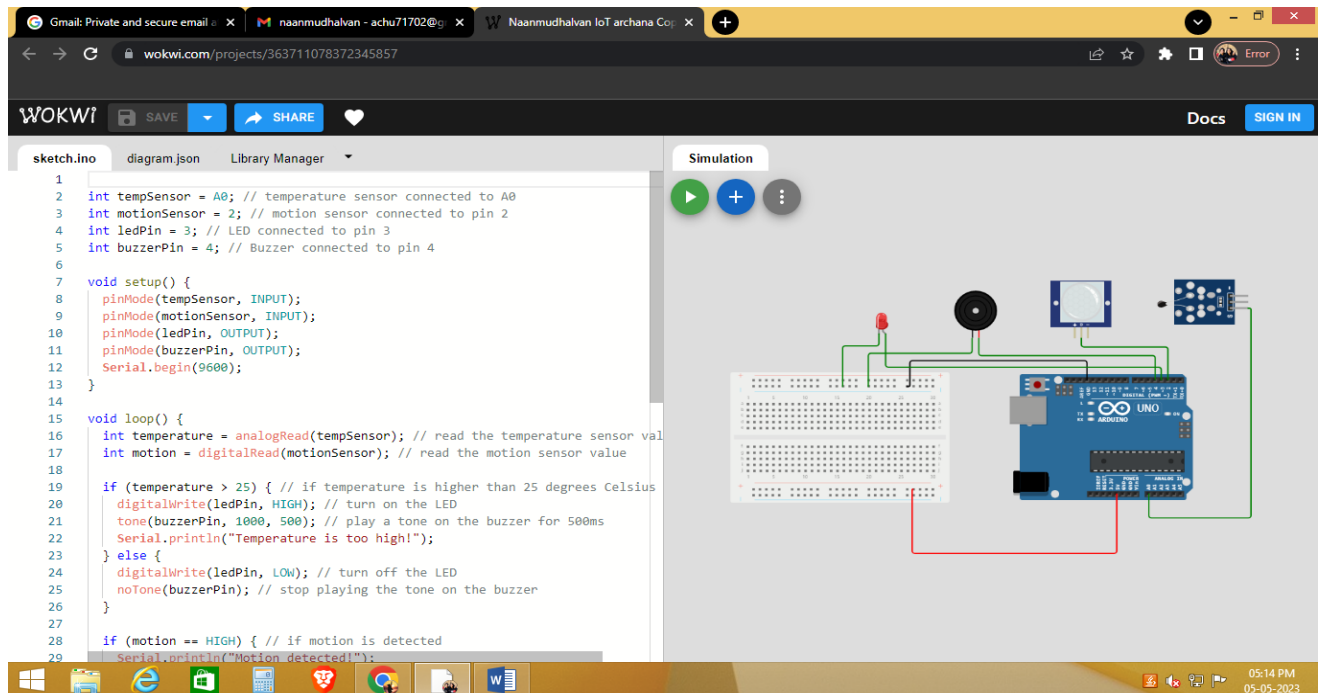


ARCHANA K

732720121004

<https://wokwi.com/projects/363711078372345857>



## SKETCH.INFO

```
int tempSensor = A0; // temperature sensor connected to A0
int motionSensor = 2; // motion sensor connected to pin 2
int ledPin = 3; // LED connected to pin 3
int buzzerPin = 4; // Buzzer connected to pin 4

void setup() {
  pinMode(tempSensor, INPUT);
  pinMode(motionSensor, INPUT);
  pinMode(ledPin, OUTPUT);
  pinMode(buzzerPin, OUTPUT);
  Serial.begin(9600);
}

void loop() {
  int temperature = analogRead(tempSensor); // read the temperature sensor
  value
  int motion = digitalRead(motionSensor); // read the motion sensor value

  if (temperature > 25) { // if temperature is higher than 25 degrees Celsius
    digitalWrite(ledPin, HIGH); // turn on the LED
    tone(buzzerPin, 1000, 500); // play a tone on the buzzer for 500ms
```

```
    Serial.println("Temperature is too high!");
} else {
    digitalWrite(ledPin, LOW); // turn off the LED
    noTone(buzzerPin); // stop playing the tone on the buzzer
}

if (motion == HIGH) { // if motion is detected
    Serial.println("Motion detected!");
    delay(1000); // wait for a second before detecting motion again
}
}
```