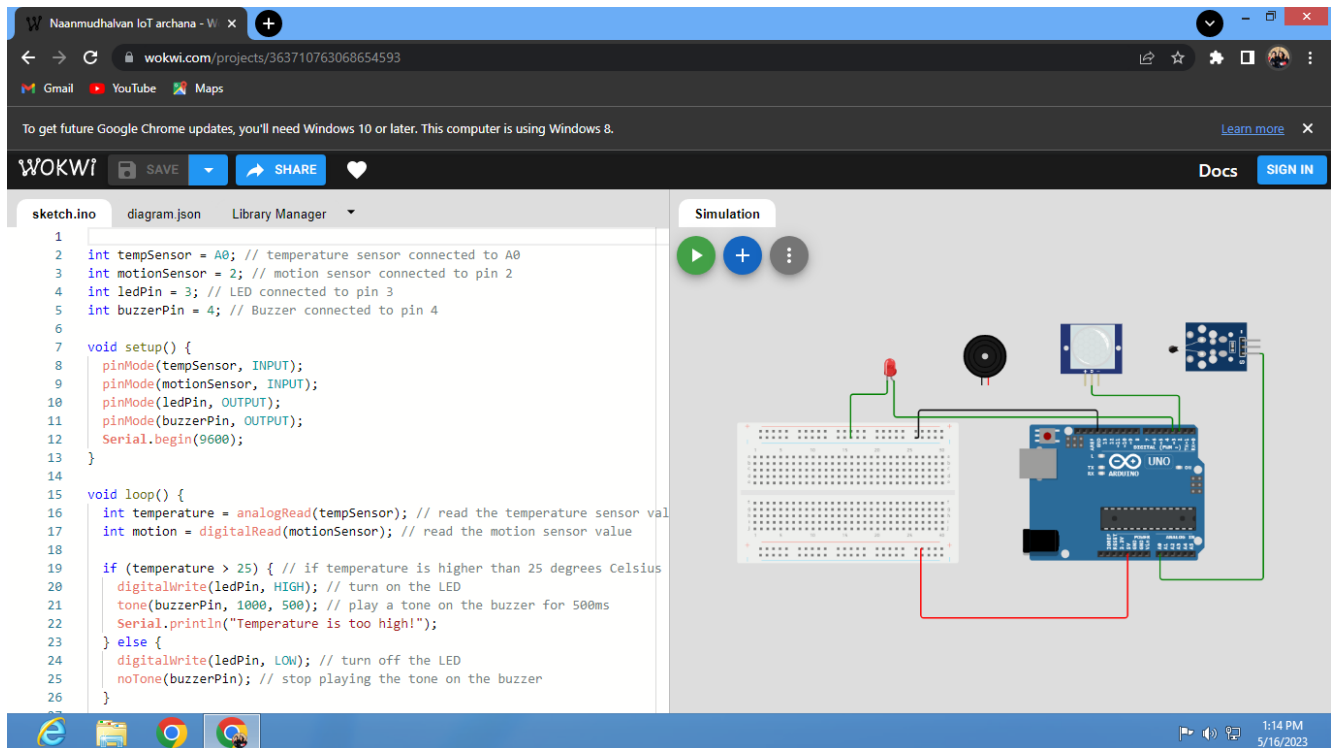


ARCHANA K

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<https://wokwi.com/projects/363710763068654593>



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  
  }  
}
```