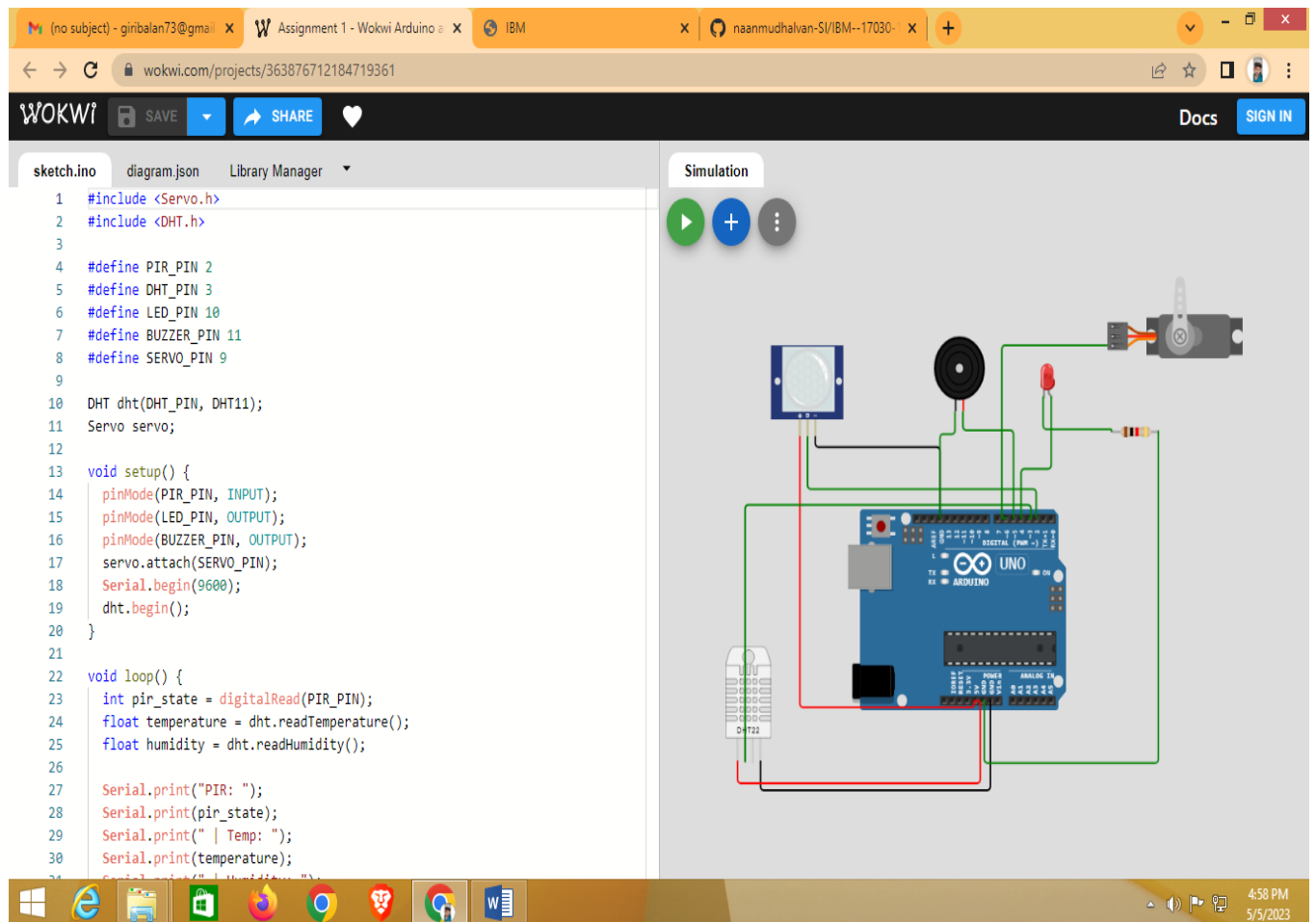


GIRIBALAN S

732720121012

<https://wokwi.com/projects/363876712184719361>



SKETCH.INFO

```
#include <Servo.h>
#include <DHT.h>
```

```
#define PIR_PIN 2
#define DHT_PIN 3
```

```

#define LED_PIN 10
#define BUZZER_PIN 11
#define SERVO_PIN 9

DHT dht(DHT_PIN, DHT11);
Servo servo;

void setup() {
    pinMode(PIR_PIN, INPUT);
    pinMode(LED_PIN, OUTPUT);
    pinMode(BUZZER_PIN, OUTPUT);
    servo.attach(SERVO_PIN);
    Serial.begin(9600);
    dht.begin();
}

void loop() {
    int pir_state = digitalRead(PIR_PIN);
    float temperature = dht.readTemperature();
    float humidity = dht.readHumidity();

    Serial.print("PIR: ");
    Serial.print(pir_state);
    Serial.print(" | Temp: ");
    Serial.print(temperature);
    Serial.print(" | Humidity: ");
    Serial.println(humidity);

    if (pir_state == HIGH) {
        digitalWrite(LED_PIN, HIGH);
        tone(BUZZER_PIN, 1000, 1000);
        delay(500);
        digitalWrite(LED_PIN, LOW);
        noTone(BUZZER_PIN);
        servo.write(90);
        delay(5000);
        servo.write(0);
    }
}

```