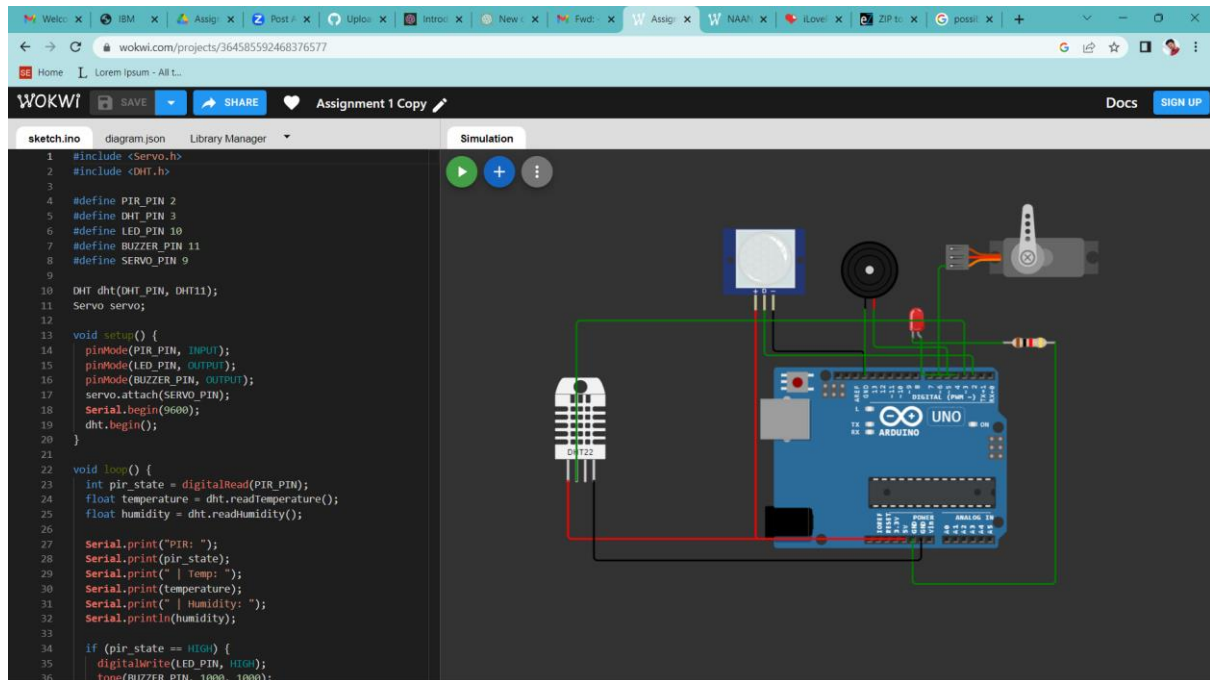


NAME: C. KARUPPIAH SAKTHI

REG NO. : 732720121021

<https://wokwi.com/projects/364586323671899137>



```
#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);
}
}
```