

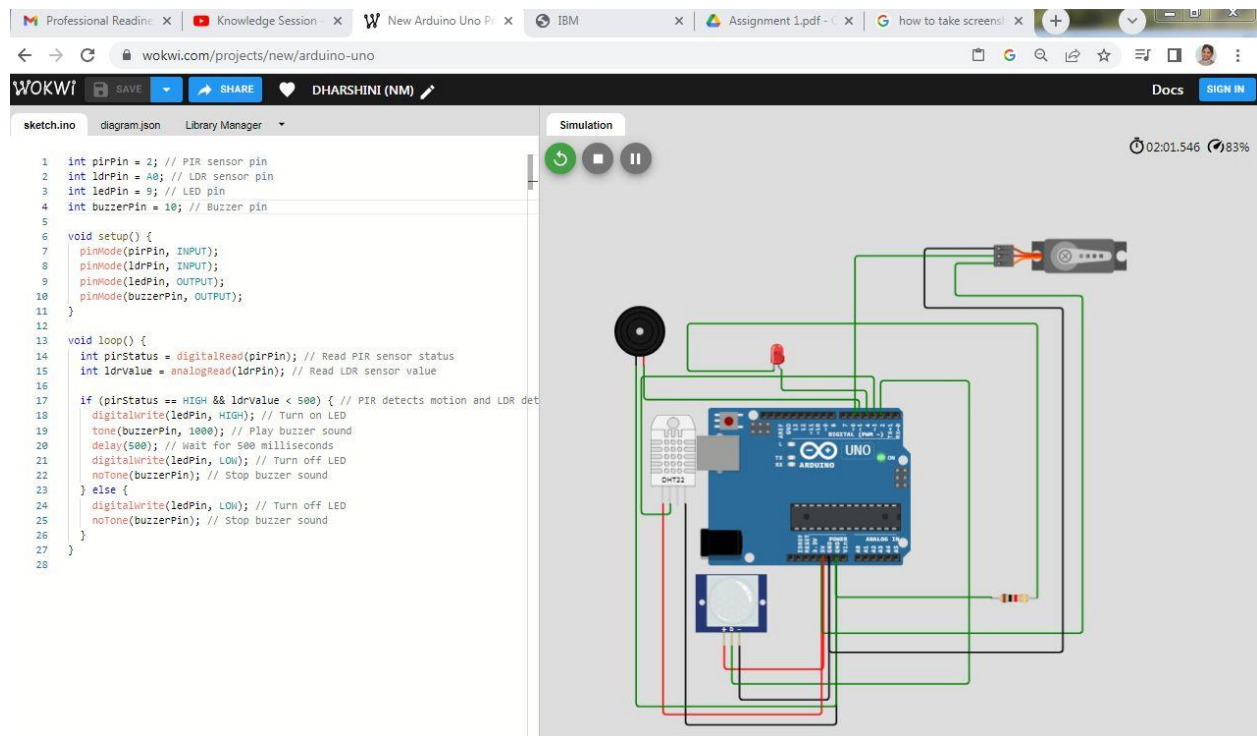
STUDENT NAME : R.DHARSHINI (TEAM LEADER)

NAAN MUDHALVAN REGISTER NUMBER : 3918FE1DEF19B49892542E5748C724A4

UNIVERSITY REGISTER NUMBER : 732720121010

WOKWI ASSIGNMENT LINK : <https://wokwi.com/projects/363966378149904385>

SCREEN SHOT OF THE ASSIGNMENT :



sketch.ino :

```
int pirPin = 2; // PIR sensor pin
int ldrPin = A0; // LDR sensor pin
int ledPin = 9; // LED pin
int buzzerPin = 10; // Buzzer pin
```

```
void setup() {
  pinMode(pirPin, INPUT);
```

```
pinMode(ldrPin, INPUT);
pinMode(ledPin, OUTPUT);
pinMode(buzzerPin, OUTPUT);
}

void loop() {
  int pirStatus = digitalRead(pirPin); // Read PIR sensor status
  int ldrValue = analogRead(ldrPin); // Read LDR sensor value

  if (pirStatus == HIGH && ldrValue < 500) { // PIR detects motion and LDR
detects low light level
    digitalWrite(ledPin, HIGH); // Turn on LED
    tone(buzzerPin, 1000); // Play buzzer sound
    delay(500); // Wait for 500 milliseconds
    digitalWrite(ledPin, LOW); // Turn off LED
    noTone(buzzerPin); // Stop buzzer sound
  } else {
    digitalWrite(ledPin, LOW); // Turn off LED
    noTone(buzzerPin); // Stop buzzer sound
  }
}
```