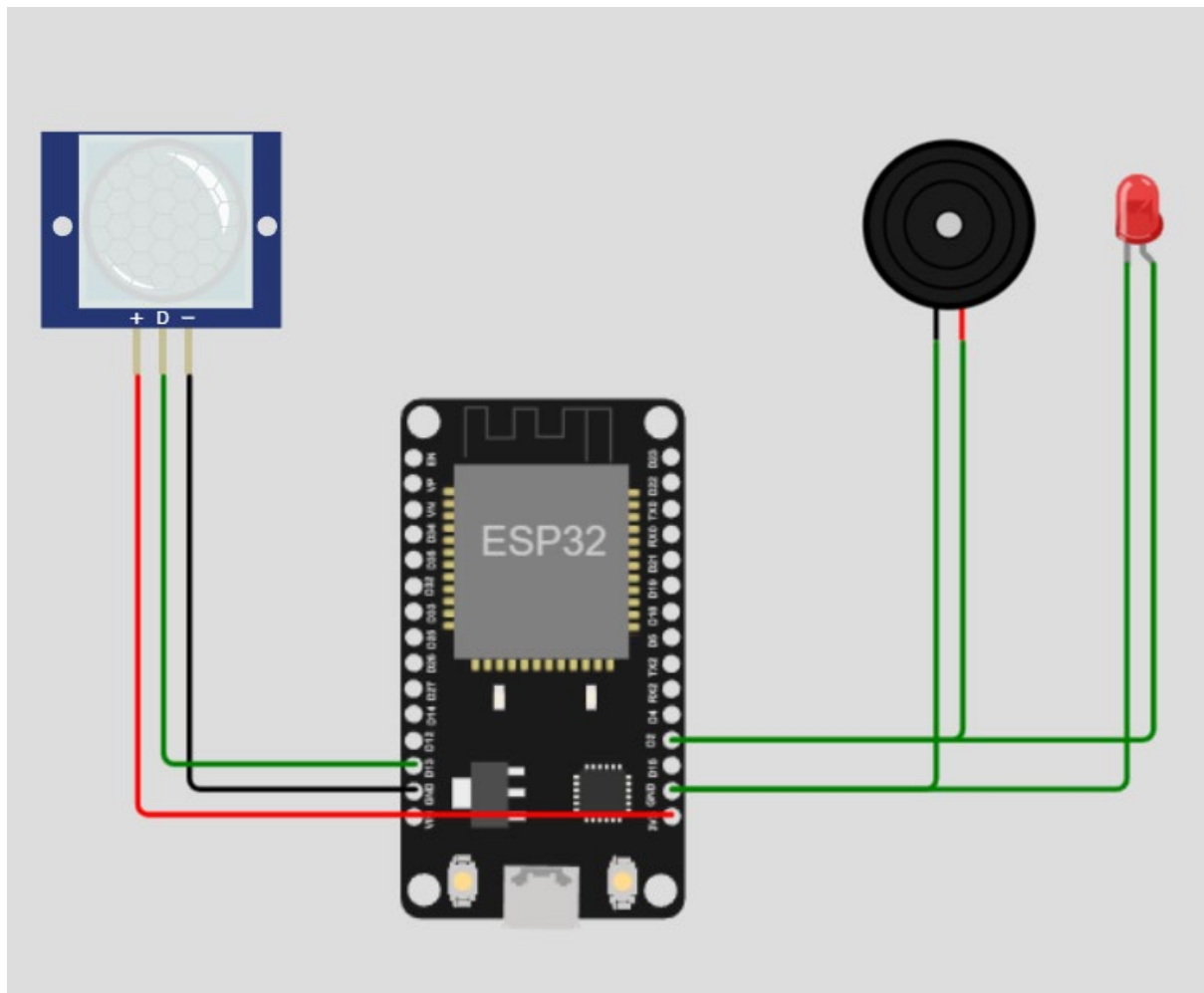


Assignment 1

This is a basic intruder alarm, which buzzes the buzzer for 20 seconds when the PIR sensor detects any motion.

Connections:



Code:

```
/**
  ESP32 + DHT22 Example for Wokwi

  https://wokwi.com/arduino/projects/322410731508073042
  */

const int PIR = 13;
const int BUZZER = 2;
int PIR_OUT;
int timer = 0;
```

```
void setup() {
  Serial.begin(115200);
  pinMode(BUZZER, OUTPUT);
  pinMode(PIR, INPUT);
}

void loop() {
  PIR_OUT = digitalRead(PIR);
  if (PIR_OUT) {
    Serial.println("Intruder Detected! Buzzing For 20 Seconds");
    timer = 20;
  } else {
    Serial.print(".");
  }
  if (timer > 0) {
    digitalWrite(BUZZER, LOW);
    digitalWrite(BUZZER, HIGH);
    Serial.print("+");
    timer--;
  } else {
    digitalWrite(BUZZER, LOW);
    Serial.print("-");
  }

  // digitalWrite(BUZZER, LOW);
  // delay(100);
  // digitalWrite(BUZZER, HIGH);
  delay(100);
}
```