

**Wokwi Link:**

<https://wokwi.com/projects/363046940433651713>

**Code:**

```
#include <Servo.h>

int pirPin = 2;
int ledPin = 3;
int buzzerPin = 4;
int servoPin = 5;

Servo doorLock;

void setup() {
  pinMode(pirPin, INPUT);
  pinMode(ledPin, OUTPUT);
  pinMode(buzzerPin, OUTPUT);
  doorLock.attach(servoPin);
}

void loop() {
  if (digitalRead(pirPin) == HIGH) {
    digitalWrite(ledPin, HIGH);
    tone(buzzerPin, 1000);
    delay(500);
    noTone(buzzerPin);
    doorLock.write(90);
    delay(5000);
    doorLock.write(0);
  } else {
    digitalWrite(ledPin, LOW);
    noTone(buzzerPin);
  }
}
```

## Screenshot:

