

HOME DOOR AUTOMATION

Link:

<https://wokwi.com/projects/363146348622595073>

Code:

```
#include <Servo.h>
Servo myservo;
int ledPin = 12;
int buzzPin = 12;
int pirPin = 13;
int pirStat = 0;
int pos = 0;
void setup()
{
  pinMode(ledPin, OUTPUT);
  pinMode(buzzPin, OUTPUT);
  pinMode(pirPin, INPUT);
  myservo.attach(9);
  Serial.begin(9600);
  myservo.write(pos);
}
void loop()
{
  pirStat = digitalRead(pirPin);
  if (pirStat == HIGH)
  {
    digitalWrite(ledPin, HIGH);
    digitalWrite(buzzPin, HIGH);
    Serial.println("Motion Detection");
    for (pos = 0; pos >= 0; pos += 1)
    {
      myservo.write(pos);
      delay(20);
    }
  }
}
```

```

}
digitalWrite(ledPin, LOW);
digitalWrite(buzzPin, LOW);
for (pos = 180; pos >= 0; pos -= 1)
{
myservo.write(pos);
delay(20);
}
}
else{
}
}
}

```

Screenshot:

