Rishitha S S

```
#include <Servo.h>
int pirSensor1 = 2;
int pinLed = 12;
int pinBuzzer = 13;
int pirSensor2 = 3;
int pos = 0;
Servo myservo;
void setup() {
  pinMode(pirSensor1 ,INPUT);
  pinMode(pinLed ,OUTPUT);
  pinMode(pinBuzzer ,OUTPUT);
  pinMode(pirSensor2 , INPUT);
  myservo.attach(6);
  }

void loop() {
  int x = digitalRead(pirSensor1);
  if(x == HIGH){
    digitalWrite(pinLed ,HIGH);
    tone(pinBuzzer ,1000,500);
  }else{
    digitalWrite(pinLed ,LOW);
  }
  delay(10);
  int y = digitalRead(pirSensor2);
  if(y == HIGH)
  {
  for(pos=90; pos>=0; pos-=1){
    myservo.write(pos);
```
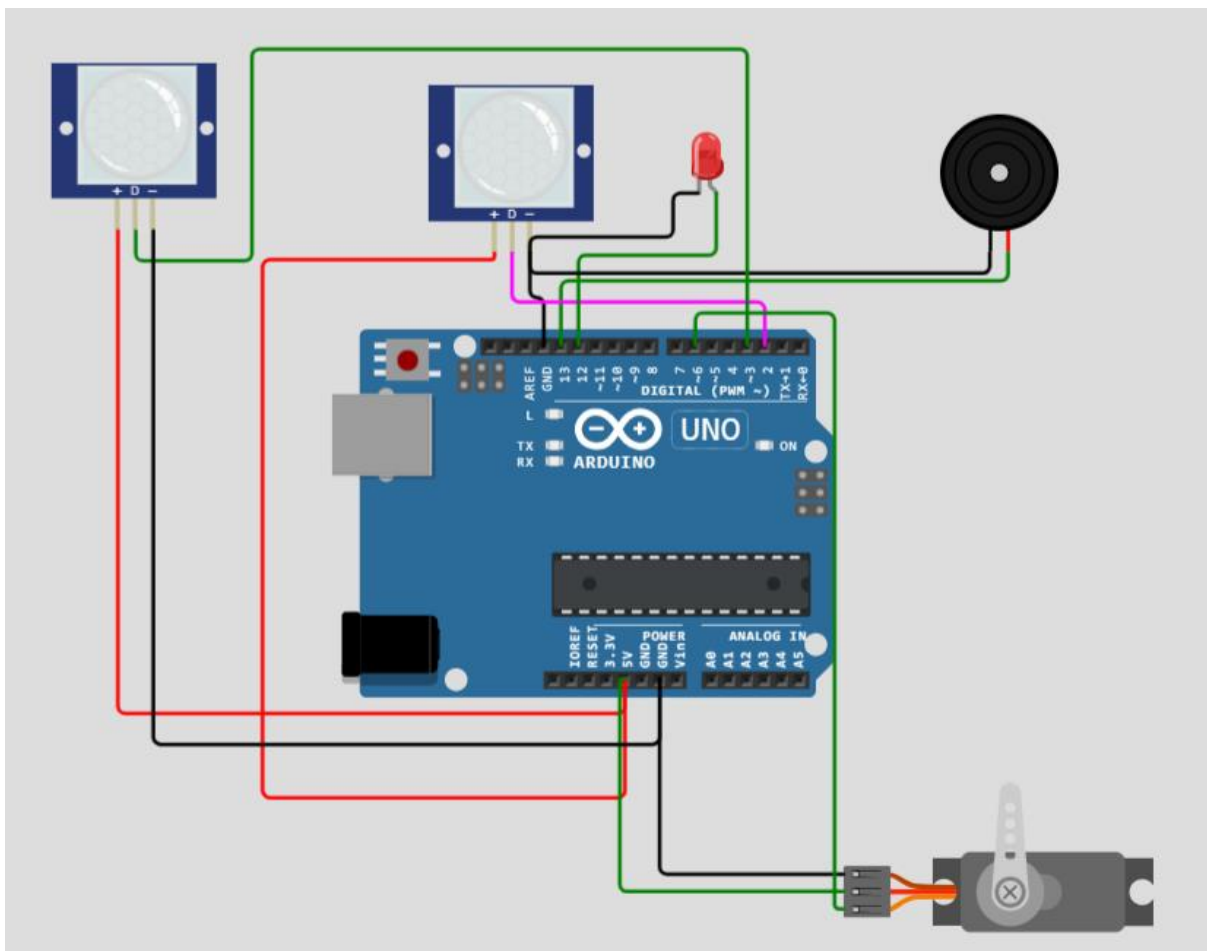
```
    delay(10);

  }

 delay(5000);

 for(pos=0; pos<=90; pos+=1){

  myservo.write(pos);

  delay(10);


 }


}
}
```


Link: smart home Copy - Wokwi Arduino and ESP32 Simulator