**Smart home automation**

**CODE:**

#define LED 9 // choose the pin for the RELAY

#define PIR 4

#define BUZZ 5

int ldr=0;

int pir=LOW;

int val;

void setup()

{

Serial.begin(9600);

pinMode(LED, OUTPUT); // declare lamp as output

pinMode(PIR,INPUT);

pinMode(BUZZ, OUTPUT);

//pinMode(A0,INPUT);

}

void loop()

{

ldr = analogRead(A1);

val=(255.0/1023.0)\*ldr;

pir = digitalRead(PIR); // read input value

Serial.println(ldr);

Serial.println(val);

Serial.println(pir);

if (pir == HIGH)

{

digitalWrite(BUZZ,HIGH);

delay(250);

}

else

{

digitalWrite(BUZZ,LOW);

}

if((ldr<=300) ){

digitalWrite(LED,HIGH); // Turn ON the light

delay(250);

//pir=HIGH;

}

else {

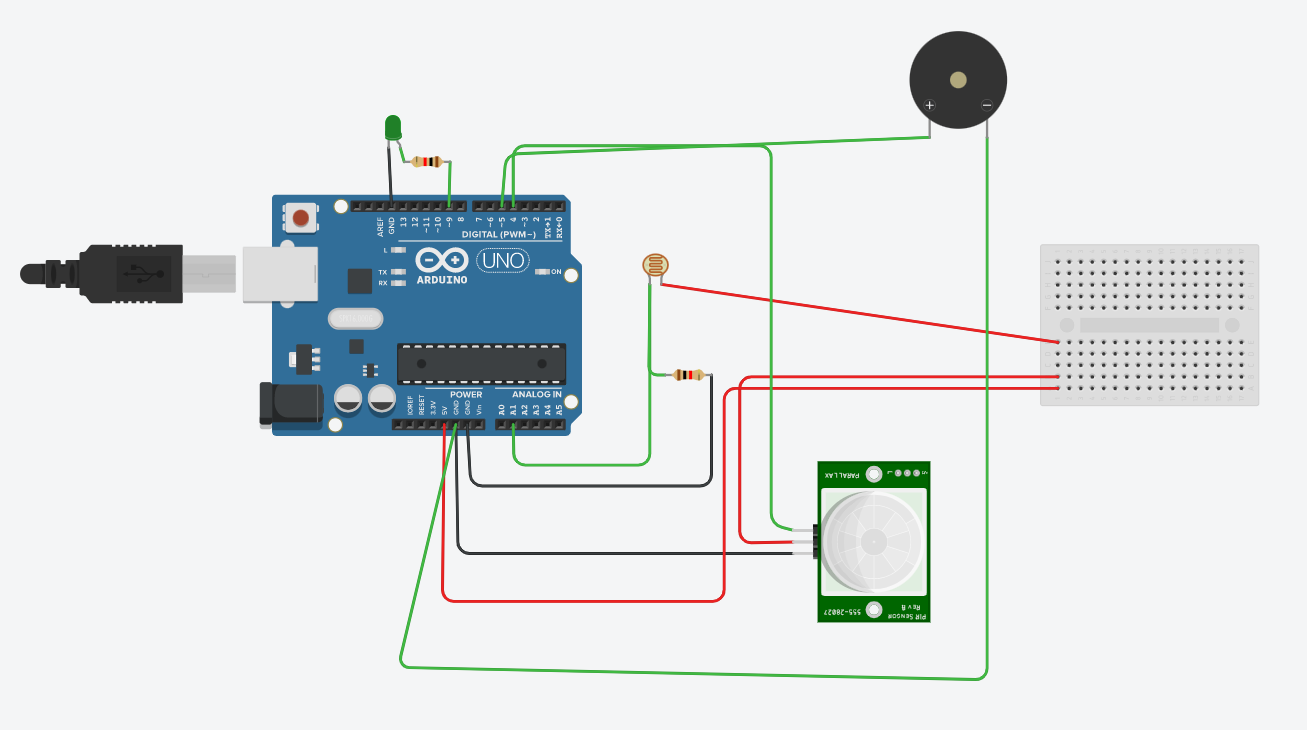
digitalWrite(LED,LOW); // Turn OFF the light

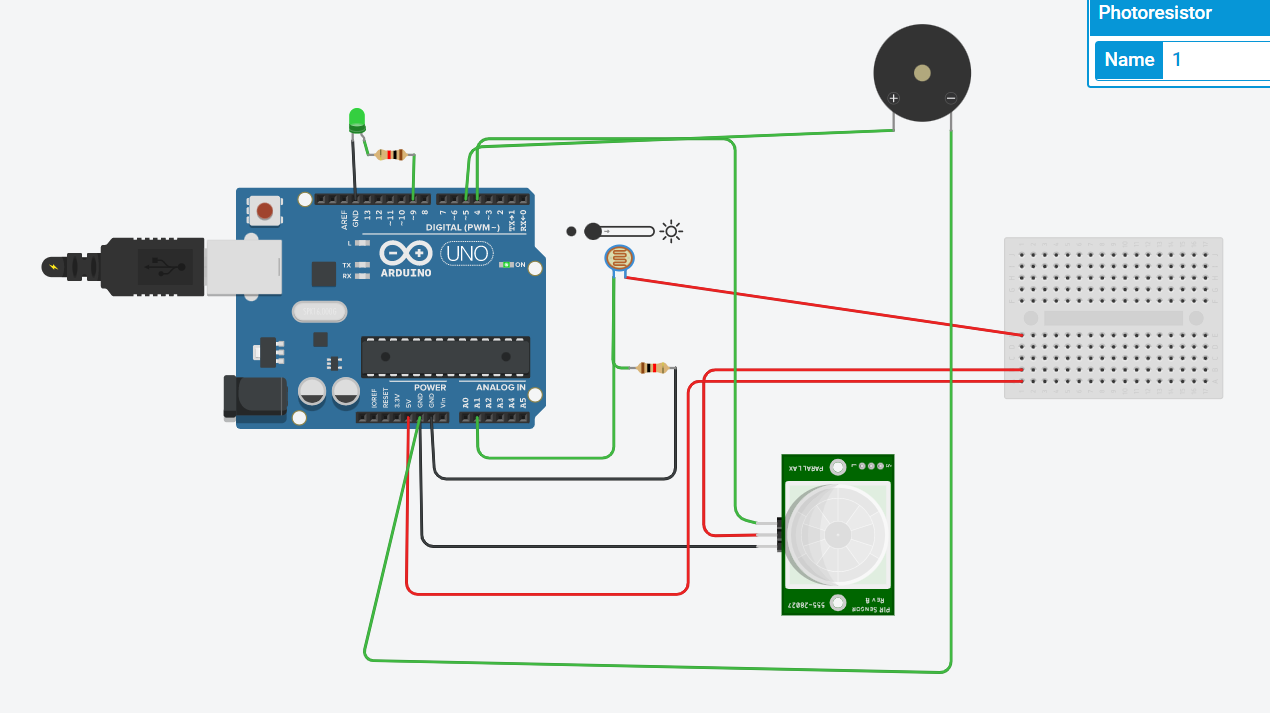
// pir=LOW;

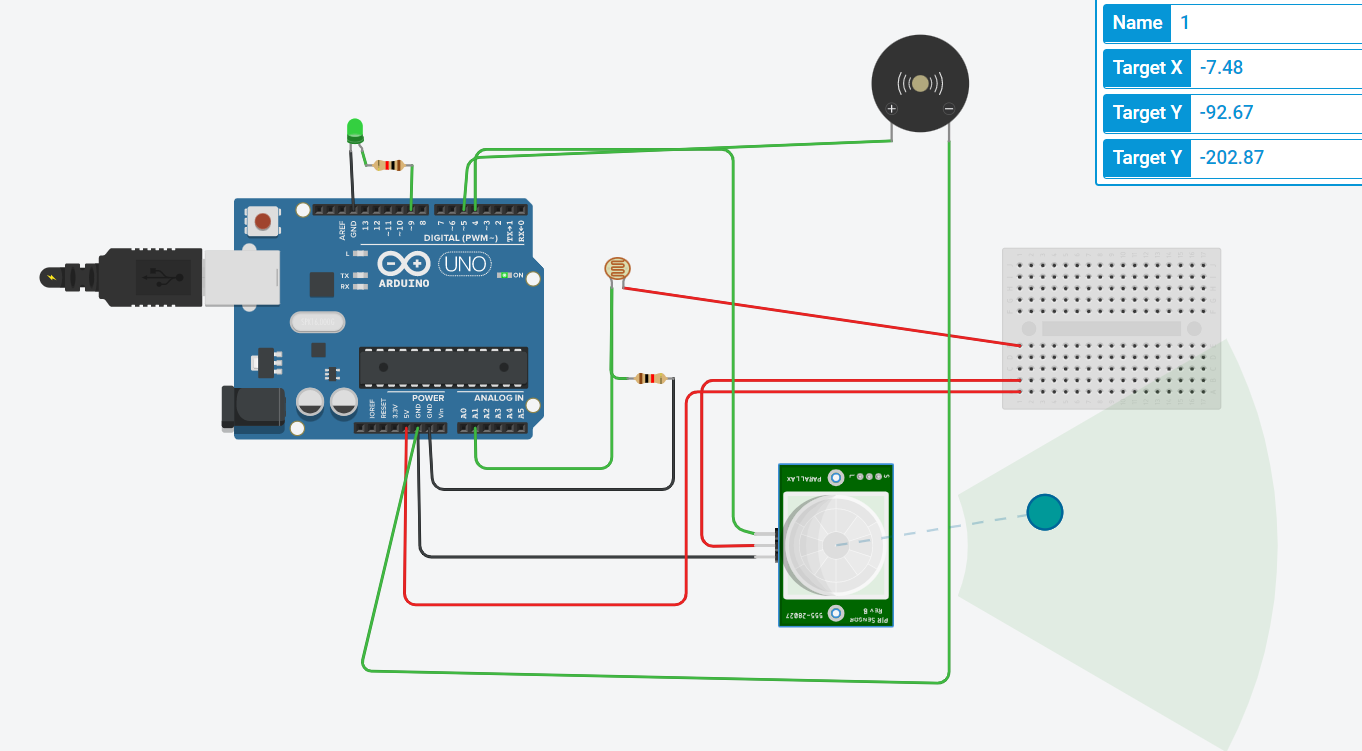
}

}

**OUTPUT:**

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