int motion\_1 = 2;

int light\_1 = 13;

void setup(){

pinMode (motion\_1,INPUT);

pinMode (light\_1, OUTPUT);

}

void loop (){

digitalWrite (light\_1,LOW);

delay(1000); //this delay is to let the sensor settle down before taking a reading

int sensor\_1 = digitalRead(motion\_1);

if (sensor\_1 == HIGH){

digitalWrite(light\_1,HIGH);

delay(500);

digitalWrite(light\_1,LOW);

delay(500);

}

}