int irPin1=7;

int irPin2=8;

int count=0;

boolean state1 = true;

boolean state2 = true;

boolean insideState = false;

boolean outsideIr=false;

boolean isPeopleExiting=false;

int i=1;

void setup() {

Serial.begin(9600);

pinMode(irPin1, INPUT);

pinMode(irPin2, INPUT);

}

void loop() {

if (!digitalRead(irPin1) && i==1 && state1){

outsideIr=true;

delay(100);

i++;

state1 = false;

}

if (!digitalRead(irPin2) && i==2 && state2){

Serial.println("Entering into room");

outsideIr=true;

delay(100);

i = 1 ;

count++;

Serial.print("No of persons inside the room: ");

Serial.println(count);

state2 = false;

}

if (!digitalRead(irPin2) && i==1 && state2 ){

outsideIr=true;

delay(100);

i = 2 ;

state2 = false;

}

if (!digitalRead(irPin1) && i==2 && state1 ){

Serial.println("Exiting from room");

outsideIr=true;

delay(100);

count--;

Serial.print("No of persons inside the room: ");

Serial.println(count);

i = 1;

state1 = false;

}

if (digitalRead(irPin1)){

state1 = true;

}

if (digitalRead(irPin2)){

state2 = true;

}

}