AIM:Design a visitor counting system with the help of LDR for a hall .Assume that only one person can pass through the door at any time and also there are seperate entery and exit doors.

COMPONENTS:

1.Arduino UNO

2.IR sensor

3.16\*2 display

4.Bread board

5.5 V fan

CODE:

#include<Liquidcrystal.h>

liquedcrystal led{13,12,11,10,9,8};

#define in 14

#define out 19

#define relay 2

int count=0;

void in()

{

count++;

led,clear();

led.print("person in room");

led.setcursor(0,1);

led.print(count);

delay(1000);

}

void out()

{

count--;

led.clear();

led.print("person in room:");