#include<reg51.h>

sbit alcohol = P0^7;

sbit IR1 = P0^1;

sbit IR2 = P0^6;

sbit crash = P0^5;

sbit led1= P3^2;

sbit led2=P3^3;

sbit buzzer=P0^0;

char str;

int i,p,q;

void delay(int x){

for(p=0;p<x;p++)

for(q=0;q<7500;q++);

}

void main()

{ TMOD=0x20;

TH1=0xFD;

SCON=0x50;

TR1=1;

//led1=1;

while(!RI);

str=SBUF;

RI=0;

if(str=='4')

{

while(1)

{

if(IR1==1 && IR2==1)

{

if(alcohol==0)

{

led1=0;

buzzer=0;

SBUF='5';

while(TI==0);

TI=0;

delay(10);

}

else if(alcohol==1)

{

SBUF='2';

while(TI==0);

TI=0;

delay(10);

led1=1;

buzzer=1;

}

}

else if(IR1==0 || IR2==0)

{ SBUF='1';

while(TI==0);

TI=0;

delay(10);

led1=0;

buzzer=1;

}

if(crash==0)

{ SBUF='3';

while(TI==0);

TI=0;

delay(10);

led2=0;

}

else if(crash==1)

{

led2=1;

}

}

}

}