int temp = 0;

int time\_slot=0;

void setup()

{

Serial.begin(9600);

pinMode(2, OUTPUT); //signal 1 red led

pinMode(3, OUTPUT); //signal 1 orange led

pinMode(4, OUTPUT); //signal 1 green led

pinMode(5, OUTPUT); //signal 2 red led

pinMode(6, OUTPUT); //signal 2 orange led

pinMode(7, OUTPUT); //signal 2 green led

pinMode(8, OUTPUT); //signal 3 red led

pinMode(9, OUTPUT); //signal 3 orange led

pinMode(10, OUTPUT); //signal 3 green led

pinMode(11, OUTPUT); //signal 4 red led

pinMode(12, OUTPUT); //signal 4 orange led

pinMode(13, OUTPUT); //signal 4 green led

}

void loop()

{

if(Serial.available()>0){

temp = Serial.parseInt();

if((temp == 1)||(temp == 2)||(temp == 3)||(temp == 4)){

time\_slot = temp;// if this is not mentioned time\_slot is taking value as 0.

}

}

if(time\_slot == 1){

digitalWrite(3, HIGH);

digitalWrite(6, HIGH);

digitalWrite(9, HIGH);

digitalWrite(12, HIGH);

delay(1000);

digitalWrite(3, LOW);

digitalWrite(6, LOW);

digitalWrite(9, LOW);

digitalWrite(12, LOW);

delay(1000);

}

if(time\_slot == 2)

{

digitalWrite(4,HIGH);

digitalWrite(5,HIGH);

digitalWrite(8,HIGH);

digitalWrite(11,HIGH);

delay(3000);

digitalWrite(4,LOW);

digitalWrite(3,HIGH);

delay(1000);

digitalWrite(5,LOW);

digitalWrite(8,LOW);

digitalWrite(3,LOW);

digitalWrite(2,HIGH);

digitalWrite(7,HIGH);

digitalWrite(8,HIGH);

delay(3000);

digitalWrite(7,LOW);

digitalWrite(6,HIGH);

delay(1000);

digitalWrite(2,LOW);

digitalWrite(6,LOW);

digitalWrite(8,LOW);

digitalWrite(5,HIGH);

digitalWrite(10,HIGH);

delay(3000);

digitalWrite(10,LOW);

digitalWrite(9,HIGH);

delay(1000);

digitalWrite(9,LOW);

digitalWrite(10,LOW);

digitalWrite(11,LOW);

digitalWrite(2,HIGH);

digitalWrite(8,HIGH);

digitalWrite(13,HIGH);

delay(3000);

digitalWrite(13,LOW);

digitalWrite(12,HIGH);

delay(1000);

digitalWrite(2,LOW);

digitalWrite(5,LOW);

digitalWrite(8,LOW);

digitalWrite(12,LOW);

}

if(time\_slot==3)

{

digitalWrite(2,HIGH);

digitalWrite(7,HIGH);

digitalWrite(8,HIGH);

digitalWrite(13,HIGH);

delay(3000);

digitalWrite(6,HIGH);

digitalWrite(7,LOW);

digitalWrite(12,HIGH);

digitalWrite(13,LOW);

delay(1000);

digitalWrite(2,LOW);

digitalWrite(6,LOW);

digitalWrite(8,LOW);

digitalWrite(12,LOW);

digitalWrite(4,HIGH);

digitalWrite(5,HIGH);

digitalWrite(10,HIGH);

digitalWrite(11,HIGH);

delay(3000);

digitalWrite(3,HIGH);

digitalWrite(4,LOW);

digitalWrite(9,HIGH);

digitalWrite(10,LOW);

delay(1000);

digitalWrite(3,LOW);

digitalWrite(5,LOW);

digitalWrite(9,LOW);

digitalWrite(11,LOW);

}

if(time\_slot==4)

{

digitalWrite(4,HIGH);

digitalWrite(5,HIGH);

digitalWrite(8,HIGH);

digitalWrite(11,HIGH);

delay(3000);

digitalWrite(4,LOW);

digitalWrite(3,HIGH);

delay(1000);

digitalWrite(5,LOW);

digitalWrite(8,LOW);

digitalWrite(3,LOW);

digitalWrite(2,HIGH);

digitalWrite(7,HIGH);

digitalWrite(8,HIGH);

delay(3000);

digitalWrite(7,LOW);

digitalWrite(6,HIGH);

delay(1000);

digitalWrite(2,LOW);

digitalWrite(6,LOW);

digitalWrite(8,LOW);

digitalWrite(5,HIGH);

digitalWrite(10,HIGH);

delay(3000);

digitalWrite(10,LOW);

digitalWrite(9,HIGH);

delay(1000);

digitalWrite(9,LOW);

digitalWrite(10,LOW);

digitalWrite(11,LOW);

digitalWrite(2,HIGH);

digitalWrite(8,HIGH);

digitalWrite(13,HIGH);

delay(3000);

digitalWrite(13,LOW);

digitalWrite(12,HIGH);

delay(1000);

digitalWrite(2,LOW);

digitalWrite(5,LOW);

digitalWrite(8,LOW);

digitalWrite(12,LOW);

}

}