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TRAFFIC CONTROLLER

Aim : Traffic signal simulator

Hardware required :
- Arduino Board
- LEDs
- Bread Board

CODE :-

```
void setup ()
    {
        pin mode (13, Output);
        pin mode (12, OUTPUT);
        pin mode (8, OUTPUT);

    }

void red()
    {   digital write (13, HIGH);
        digital write (12, LOW);

        digital write (8, LOW);

    }

void yellow()
    {   digital write (13, LOW);

        digital write (12, HIGH);
        digital write (8, LOW);
    }
    }
```

```
void green()
    {
        digital write (13, LOW);
        digital write (12, LOW);
        digital write (8, HIGH);
    }

void loop()
    {
        red();
        delay (3000);
        yellow();
        delay (1500);
        green();
        delay (3000);
        yellow();
        delay (1500);
    }
```
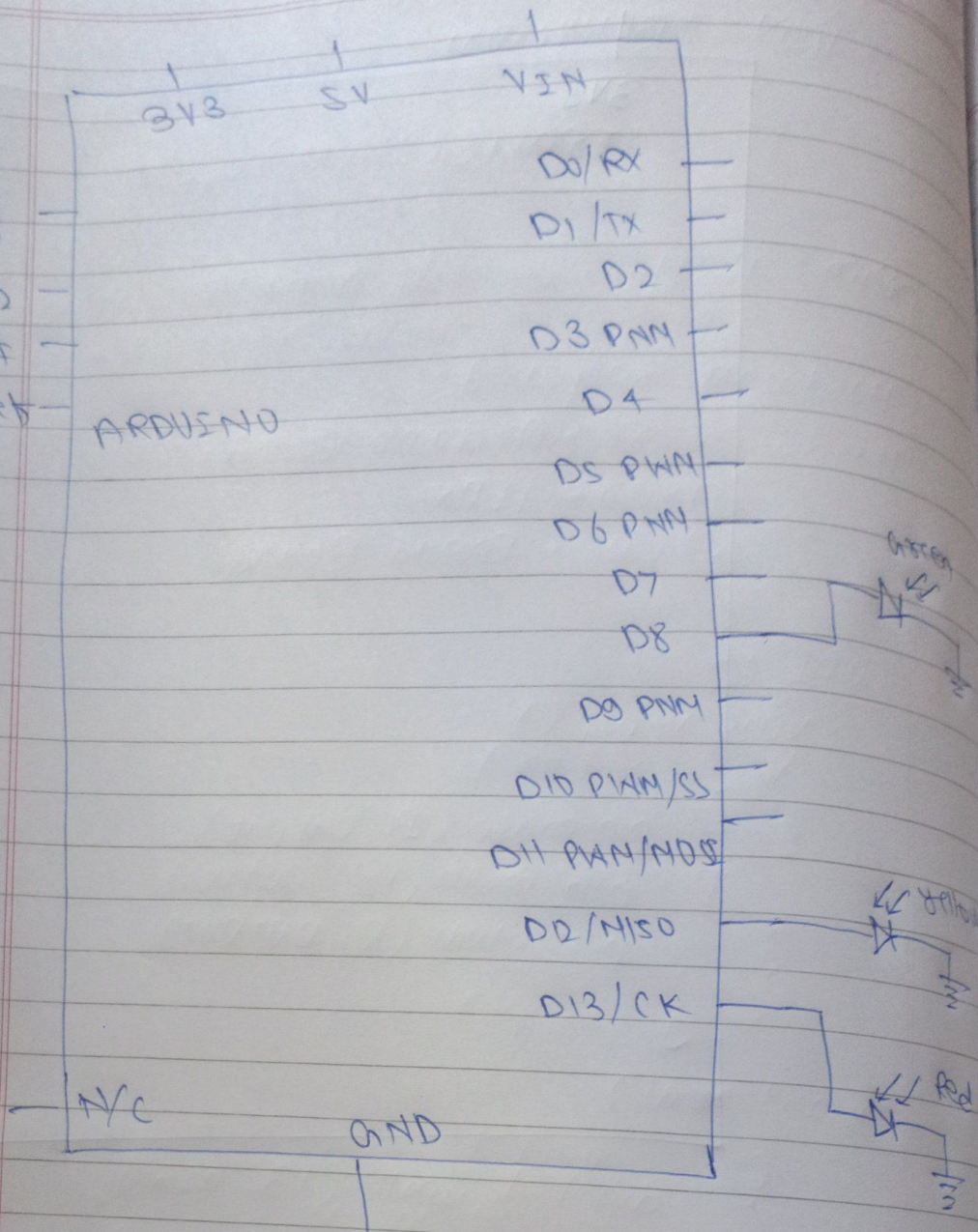
3V3	5V	VIN	

ARDUINO

RESET

RESETO

AREF

Ioref

N/C

GND

D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/CK

Green

Yellow

Red

Arduino Traffic light circuit