```
#include 

void Delay(int);                        //Delay Routine
void SupDelay(int);                     //Delay Routine

void main()
{
        PINSEL2 = 0X00000000;           // P1.24 TO P1.31 as GPIO
        IO0DIR = 0X0000FFF0;            // P1.24 TO P1.31 Configured as Output port

        while(1)
        {

                IO0SET = 0x00003090;    // D19 GREEN, ALL RED
                Delay(500);

                IO0CLR = 0x00001000;

                IO0SET = 0x00002890;
                SupDelay(100);

                IO0CLR = 0x000002890;
                Delay(1);

                IO0SET = 0x00008490;    // D22 GREEN, ALL RED
                Delay(500);

                IO0CLR = 0x00008000;

                IO0SET = 0x00004490;
                SupDelay(100);

                IO0CLR = 0x00004490;
                Delay(1);

                IO0SET = 0x000024C0;     // D13 GREEN, ALL RED
                Delay(500);

                IO0CLR = 0x00000040;

                IO0SET = 0x000024A0;
                SupDelay(100);

                IO0CLR = 0x000024A0;
                Delay(1);
```

```
                IO0SET = 0x00002610;        //D16 GREEN, ALLRED
                Delay(500);

                IO0CLR = 0x00000200;


                IO0SET = 0x00002510;
                SupDelay(100);

                IO0CLR = 0x00002510;
                Delay(1);


        }
}

void Delay(int n)
{
        int p, q;

        for(p=0; p<n; p++)
        {
                for(q=0; q<0xFFF0; q++);
        }
}

void SupDelay(int n)
{
        int p, q;

        for(p=0; p<n; p++)
        {
                for(q=0; q<0xFFF0; q++);
                for(q=0; q<0xFFF0; q++);
        }
}
```