

```
1  #include "stdio.h"
2  #include "reg51.h"
3  enum color{red,green,blue};
4  enum color i,j,k,st;
5  void main()
6  {
7      int n=0,m;
8      SCON= 0x52;
9      TMOD = 0x20;
10     TCON = 0x69;
11     TH1 = 0xF3;
12
13     for(i=red;i<=blue;i++)
14         for(j=red;j<=blue;j++)
15             for(k=red;k<=blue;k++)
16                 {
17                     n=n+1;
18                     printf("%-4d",n);
19                     for(m=1;m<=3;m++)
20                         {
21                             switch(m)
22                             {
23                                 case 1 : st=i;break;
24                                 case 2:  st=j;break;
25                                 case 3:  st=k;break;
26                                 default: break;
27                             }
28                             switch(st)
29                             {
30                                 case red : printf("%-10s","red");break;
31                                 case green: printf("%-10s","green");break;
32                                 case blue : printf("%-10s","blue");break;
33                                 default: break;
34                             }
35                         }
36                     printf("\n");
37                 }
38     printf("\n total:%5d\n",n);
39     while(1);
40 }
```