

7 SEGMENT DISPLAY (BANGALORE)

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#include <stdio.h>
#include <reg51.h>
char xdata commN -at- 0xe803;
char xdata portB -at- 0xe801;
char xdata portC -at- 0xe802;
char port[20] = { 0xff, 0xff, 0xff, 0xff, 0x83, 0x88, 0xc8, 0x82, 0x88,
                  0xc7, 0xc0, 0xaf, 0x86 }, i;

delay() {
    long u;
    for (u=0; u<4000; u++) {
    }

void main() {
    int d, b, j, m;
    unsigned char k;
    commN = 0x80;
    do {
        i = 0;
        for (d=0; d<1; d++) {
            for (b=13; b>0; b--) {
                delay();
                k = port[i++];
                for (j=0; j<8; j++) {
                    m = k;
                    k = k & 0x80;
                    { if (k==0)
                        portB = 0x00;
                      else portB = 0x01; }
                    portC = 0x01; portC = 0x00;
                    k = m;
                    k <<= 1; } } delay(); } } while(1);
    }
```