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IBM19CS191.

Q. Display message BANGLORE in rolling fashion

Q. Display messages BANGALORE in rolling fashion on a 7-segment display interface for a suitable period of time.

Ans :
```c
#include <stdio.h>
#include <reg51.h>
char xdata CommW _at_ 0xe803;
char xdata portB _at_ 0xe801;
char xdata portc _at_ 0xe802;
char port [20] = {0xff, 0xff, 0xff, 0xff, 0x83, 0x22, 0xc8, 0x83, 0x88, 0xc7, 0xc0,
                  0xAf, 0x16 }, i;

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

void main () {
    int d, b, j, m;
    unsigned char k;
    CommW = 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 == 00)
                    portB = 0x00;
```

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```
            else
                    postB = 0x01;
            {

            postC = 0x01;
            postC = 0x00;
            k=m;
            k<<=1;
            }
        } delay();
        }
    } while(1);
}
```