

4. display BANGALORE in scrolling fashion on a 7 segment display

```

-> #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, 0x88, 0xc8,
                  0x82, 0x88, 0xc7, 0xc0, 0xaf, 0x86 };

```

```

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;
            else portB = 0x01;
        }
        portC = 0x01; portC = 0x00;
        K = m;
        K <<= 1;
    } } delay(); }
while(1);
}

```