

④ Display messages BANGALORE in rolling fashion on a 7-segment display interface for a suitable period of time.

```
dm: #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,
, i;
delay ()
{
    long u;
    for (u = 0; u < 4000; u++);
}
void main ()
{
    int b, d, j, m;
    unsigned char k;
    CommW = 0x80;
    do
    {
        i = 0;
        for (d = 0; d < 1; d++)
        {
            for (b = 13; b > 0; b--)
```

①

```

{
    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;
    }
}
}
}
}
while(1);
}

```

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