Q:) Display message BANGALORE in rolling fashion on a 7-segment display interface for a suitable period of drive.

```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,0x83,0x88,0xc8,0x83,
               0xc7,0xc0,0xAF,0x86},i;
delay(){
long u;
for(u=0;u<4000;u++);
}
void main()
{
int d,b,f,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;}
```

```c
portC = 0x01;
portC = 0x00;
K = m;
K <<= 1;
} }
delay();
}}
while (1);
}
```