

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

```
#include <stdio.h>
```

```
#include <reg51.h>
```

```
char xdata commw - at _0xe803;
```

```
char xdata portB - at _0xe1801;
```

```
char xdata portC - at _0xe1802;
```

```
char portC20 = { 0x7f, 0x7f, 0x7f, 0x7f, 0x83,  
0x88, 0xc7, 0x82, 0x88, 0xc7, 0xc7,  
0x8f, 0x86 }  
; i;
```

```
delay ()
```

```
{
```

```
long v;
```

```
for (v = 0; v < 4000; v++);
```

```
}
```

```
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--)
```

```
        {
```

```
            delay ();
```

```

k = hex C[i+1];
for ( j = 0; j < 8; j++)
{

```

```

    m = k;
    k = k >> 0x10;
}

```

```

    if ( k == 00)
        hex B = 0x00;
    else
        hex B = 0x01;
}

```

```

    hex C = 0x01;
    hex C = 0x00;
    k = m;
    k <<= 1;
}

```

```

    }
    delay (1);
}

```

```

}
while (1);
}

```