

## Lab 11

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13M19C206

Display message - BANGALORE is rolling fast on  
on a 7-segment display interface for a suitable  
period of time.

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

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

```
char xdata com1 at 0x8003;
```

```
char xdata portB at 0x8001;
```

```
char xdata portC at 0x8002;
```

```
char port[20] = {0xFF, 0xFF, 0xFF, 0xFF, 0x83, 0x88,  
0x00, 0x00, 0x88, 0xE7, 0x00, 0xFF,  
0x83};
```

```
delay()
```

```
{  
    long u;
```

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

```
}
```



```
Void main() {
```

```
    int d, b, j, m;
```

```
    unsigned char k;
```

```
    Command = 0x80;
```

```
    do
```

```
    { i = 0;
```

```
      for (d = 0; d < 1; d++)
```

```
      { for (b = 13; b > 0; b--)
```

```
        { delay (s);
```

```
          k = port [i++];
```

```
          for (j = 0; j < 8; j++)
```

```
            { m = k;
```

```
              k = k & 0x20;
```

```
              { if (k == 00)
```

```
                port B = 0x00;
```

```
              else
```

```
                port B = 0x01;
```

```
            }
```

```
          port C = 0x01;
```

```
          port C = 0x00;
```

```
          k = m
```

```
          k <= 21;
```

```
        }
```



```
}  
delay C;
```

```
}
```

```
while(1);
```

```
}
```