

Lab Experiment 14: DISPLAY BANGALORE USING SEVEN 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, 0x9, 0};

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;
        }
    }
```

```
y (P == 00)
```

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

```
else
```

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

```
}
```

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

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

```
k = m;
```

```
kcc = 1;
```

```
{
```

```
{
```

```
delay (1);
```

```
}
```

```
{
```

```
while (1);
```

```
}
```