

```
/*-----7 Segment Display Code -----*/
```

Interfacing Pins:

A	->	P0.6
B	->	P0.5
C	->	P0.0
D	->	P0.7
E	->	P0.2
F	->	P0.3
G	->	P0.4
Dp	->	P0.1

```
*/
```

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

```
void DELAY_ms(unsigned int ms_Count)
```

```
{ unsigned int i,j;
```

```
  for(i=0;i<ms_Count;i++)
```

```
  {
```

```
    for(j=0;j<100;j++);
```

```
  }
```

```
}
```

```
int main() {
```

```
  char seg_code[]={0x12,0xDE,0x0B,0x0E,0xC6,0x26,0x22,0x9E,0x02,0x06};
```

```
  int i;
```

```
  while (1)
```

```
  {   for (i = 0; i <= 9; i++) // loop to display 0-9
```

```
    {
```

```
      P2 = seg_code[i];
```

```
      DELAY_ms(1000);
```

```
    }
```

```
  }
```

```
}
```