4. Display message BANGLORE in rolling fasion on a 7-segment display Interface for a Suitable period of time.

Program:-

```
# include < stdio.h>
# include < reg51.h>
 chasx data Commkl - at - Oxe803;
  chas x data portB - at - Oxe801;
  chasx data portC - at - Oxe802;
  chas port [20] = {oxff, oxff, oxff, oxff, 0x83, 0x88, 0xC8, 0x82,
                    0x88, 0xC7, 0xC0, 0xAF, 0x86},i;

  delay ()
  {
    long u;
    for (u=0; u<4000; u++);
  }

  void main()
  {
    int a, b, j, m;
    unsigned chas 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)
               port B=0x00;
               else
               port B =0x01;
            }
```

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