4) Displaying BANGALORE.

Ans   #include <stdio.h>
       #include < reg 51.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, 0x8,

                         0x82, 0x88, 0xC7, 0xC0, 0xAF, 0x863, i;

       delay ()
       { long kk;

            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 ();

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

for (j=0; j<8; j++)
{   m=K;
    K = K & 0x80;
    {
    if(K==0)
    portB = 0x00;
    else
    portB = 0x01;
    }
    portC = 0x01;
    portC = 0x00;
    K = m;
    K <<= 1;
}
}
delay();
}
}
while(1);
}
```