//Problem statement:Write a program in C language for

//up/down counting of BCD numbers up to two digits.

//Display the result on LEDs connected to Port P1.

//Roll No. : 32410

#include<reg51.h>

void msDelay(unsigned int);

void main(void){

unsigned int a,b;

P1=0x00;

for(a=0;a<=9;a++){

for(b=0;b<=9;b++){

P1=(a<<4) | b;

msDelay(1000);

}

}

}

void msDelay(unsigned int t){

unsigned int i,j;

for(i=0;i<t;i++)

for(j=0;j<1275;j++){}

}

//Ascii

#include<reg51.h>

void msDelay(unsigned int);

void main(void){

unsigned char a;

P1=0x00;

for(a='A';a<='Z';a++){

P1=a;

msDelay(1000);

}

}

void msDelay(unsigned int t){

unsigned int i,j;

for(i=0;i<t;i++)

for(j=0;j<1275;j++){}

}