#include<lpc214x.h>

#define bit(x) (1<<x)

#define delay for(i=0;i<1000;i++);

unsigned int i;

void lcd\_int();

void dat(unsigned char);

void cmd(unsigned char);

void string(unsigned char \*);

void main()

{

IO0DIR|=0XFFF;

lcd\_int();

cmd(0x8a);

string("EMBETRONICX.COM ");

while(1) {

cmd(0x18);

delay;

}

}

void lcd\_int()

{

cmd(0x30);

cmd(0x0c);

cmd(0x06);

cmd(0x01);

cmd(0x80);

}

void cmd(unsigned char a)

{

IO0PIN&=0x00;

IO0PIN|=(a<<0);

IO0CLR|=bit(8); //rs=0

IO0CLR|=bit(9); //rw=0

IO0SET|=bit(10); //en=1

delay;

IO0CLR|=bit(10); //en=0

}

void dat(unsigned char b)

{

IO0PIN&=0x00;

IO0PIN|=(b<<0);

IO0SET|=bit(8); //rs=1

IO0CLR|=bit(9); //rw=0

IO0SET|=bit(10); //en=1

delay;

IO0CLR|=bit(10); //en=0

}

void string(unsigned char \*p)

{

while(\*p!='\0') {

dat(\*p++);

}

}