#ifndef F\_CPU16000000UL

#endif

#define RS 7

#define E 5

#include <avr/io.h>

#include <util/delay.h>

void sco(unsigned char a);

void sch(unsigned char b);

int main(void)

{

DDRC=0XFF;

DDRD=0XFF;

*\_delay\_ms*(50);

DDRA|=(1<<PA0);

DDRB&=~(1<<PB0);

sco(0X01);

sco(0X38);

sco(0X0E);

while(1)

{

PORTA|=(1<<PA0);

sch(0X4F);

sch(0X4E);

*\_delay\_ms*(500);

sco(0X01);

sco(0X38);

sco(0X0E);

PORTA&=~(1<<PA0);

sch(0X4F);

sch(0X46);

sch(0X46);

*\_delay\_ms*(500);

sco(0X01);

sco(0X38);

sco(0X0E);

}

}

void sco(unsigned char a)

{

PORTC=a;

PORTD&=~(1<<RS);

PORTD|=(1<<E);

*\_delay\_ms*(500);

PORTD&=~(1<<E);

PORTC=0;

}

void sch(unsigned char b)

{

PORTC=b;

PORTD|=(1<<RS);

PORTD|=(1<<E);

*\_delay\_ms*(500);

PORTD&=~(1<<E);

PORTC=0;

}