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**EXP\_7(A)**

**LCD 8 BIT**

#include <stdio.h>

#include <stdlib.h>

#include<pic18f4550.h>

#define RS LATCbits.LATC0

#define E LATCbits.LATC1

#define LCDPORT LATB

void delay()

{

for(int i=0; i<30000; i++)

{

}

}

void sendCommand(unsigned char command)

{

LCDPORT=command;

RS=0;

delay();

E=1;

delay();

E=0;

delay();

}

void sendData(unsigned char data)

{

LCDPORT=data;

RS=1;

delay();

E=1;

delay();

E=0;

delay();

}

void main()

{

TRISB=0x00;

TRISCbits.RC0=0;

TRISCbits.RC1=0;

sendCommand(0x38);

sendCommand(0x01);

sendCommand(0x0F);

sendCommand(0x06);

sendCommand(0x80);

sendData('E');

sendData('&');

sendData('T');

sendData('C');

sendData(' ');

sendData('S');

sendData('C');

sendData('O');

sendData('E');

sendCommand(0xC0);

sendData('P');

sendData('U');

sendData('N');

sendData('E');

sendData('-');

sendData('4');

sendData('1');

}