

sbit LCD\_RS at RB4\_bit;

sbit LCD\_EN at RB5\_bit;

sbit LCD\_D7 at RB3\_bit;

sbit LCD\_D6 at RB2\_bit;

sbit LCD\_D5 at RB1\_bit;

sbit LCD\_D4 at RB0\_bit;

// Pin direction

sbit LCD\_RS\_Direction at TRISB4\_bit;

sbit LCD\_EN\_Direction at TRISB5\_bit;

sbit LCD\_D7\_Direction at TRISB3\_bit;

sbit LCD\_D6\_Direction at TRISB2\_bit;

sbit LCD\_D5\_Direction at TRISB1\_bit;

sbit LCD\_D4\_Direction at TRISB0\_bit;

void main() {

TRISA = 0x00; // set all pins of port A as output

TRISB = 0x00; // set all pins of port B as output

while(1)

{

lcd\_init(); // initialize the lcd

lcd\_out(1,1,"ENEE413 EXP#3"); // print this message

Lcd\_Cmd(\_LCD\_CURSOR\_OFF);

delay\_ms(1000);

}

}



while(1)

{

lcd\_init(); // initialize the lcd

lcd\_out(1,1,"Ahmad Zahran"); // print this message

lcd\_out(2,1,"1142583");

Lcd\_Cmd(\_LCD\_CURSOR\_OFF);

delay\_ms(1000);

}

}



At 36%



At 48%



At 82%



AT 99%

