```
/*RS- P1.20, EN-P1.21 */
#include<1pc214x.h>
void LCD data(unsigned char ch)
 IOCLR0 = 0x000FF000; //clear LCD pins
 IOSET0 = ch<<12;
                               //shift data and set the data
 IOSET1 = RS;
                          //EN pulse
 IOSET1 = EN;
 delay(100);
 IOCLR1 = EN;
void LCD cmd(unsigned char ch)
 IOCLR0 = 0x000FF000;
 IOSET0 = ch << 12;
                              //shift data and set the data
 IOCLR1 = RS;
 IOSET1 = EN;
                          //EN pulse
 delay(100);
 IOCLR1 = EN;
void LCD init()
 IODIR0 = 0x000FF000; //set the pins as output
 IODIR1 = RS \mid EN;
LCD_cmd(0x38); //8bit use both lines
LCD_cmd(0x06); //Entry mode
LCD_cmd(0x0C); //display ON cursor OFF
LCD_cmd(0x01); //Clear display
LCD_cmd(0x80); //cursor at 1st line 1st position
```