

/**

Generated Main Source File

Company:

Microchip Technology Inc.

File Name:

main.c

Summary:

This is the main file generated using PIC10 / PIC12 / PIC16 / PIC18 MCUs

Description:

This header file provides implementations for driver APIs for all modules selected in the GUI.

Generation Information :

Product Revision: PIC10 / PIC12 / PIC16 / PIC18 MCUs - 1.81.7

Device: PIC18F26K20

Driver Version: 2.00

*/

/*

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*/

#include "mcc_generated_files/mcc.h"

/*

Main application

```

*/

char data;

void send_string(const char *x){
    while (*x){
        EUSART_Write(*x++);
    }
}

void main(void)
{
    // Initialize the device
    SYSTEM_Initialize();

    // If using interrupts in PIC18 High/Low Priority Mode you need to enable the Global High
    and Low Interrupts
    // If using interrupts in PIC Mid-Range Compatibility Mode you need to enable the Global
    and Peripheral Interrupts
    // Use the following macros to:

    // Enable the Global Interrupts
    //INTERRUPT_GlobalInterruptEnable();

    // Disable the Global Interrupts
    //INTERRUPT_GlobalInterruptDisable();

    // Enable the Peripheral Interrupts
    //INTERRUPT_PeripheralInterruptEnable();

    // Disable the Peripheral Interrupts
    //INTERRUPT_PeripheralInterruptDisable();

    char * welcome_msg1= "Welcome to CO326 Lab3";
    char * welcome_msg2= "Press 1 for Red, 2 for Yellow, 3 for Green ... \n";
    char * add_line="\n \r";

    // welcome messages on startup
    send_string(welcome_msg1);
    send_string(add_line);
    __delay_ms(500); // delay of 500ms
    send_string(welcome_msg2);
    send_string(add_line);

    while (1)
    {
        //read input
        data=EUSART_Read();
    }
}

```

```
//input checking
switch (data) {
    case '1':
        Red_SetHigh();
        break;

    case '2':
        Yellow_SetHigh();
        break;

    case '3':
        Green_SetHigh();
        break;

    default:
        Red_SetLow();
        Yellow_SetLow();
        Green_SetLow();
        break;
}
}
/**
End of File
*/
```