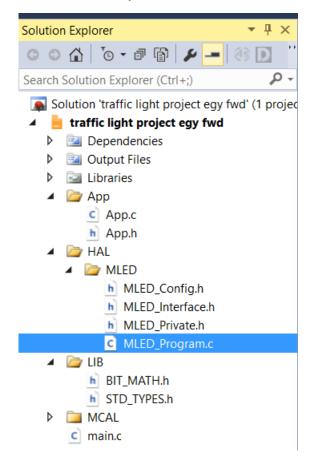
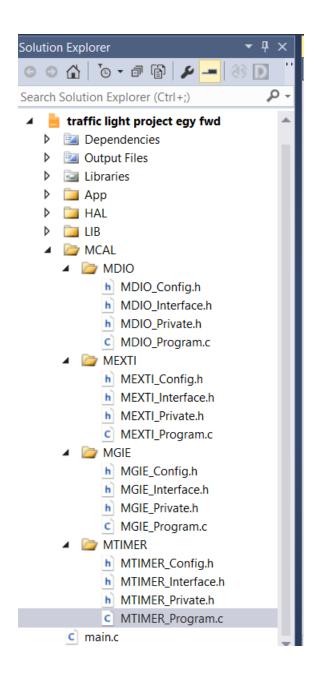
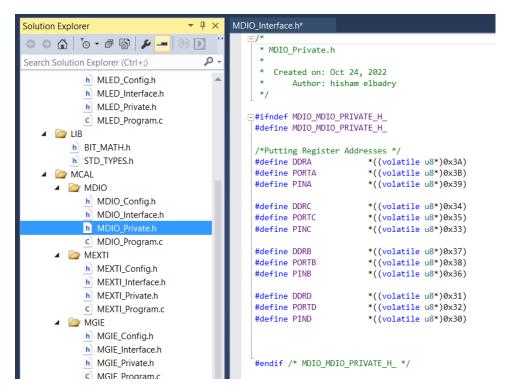
# Solution explorer

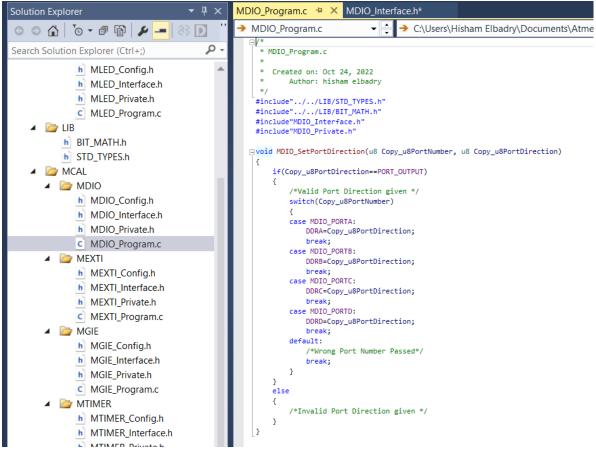




#### DIO files







```
▼ Ț ×
                                                                       MDIO_Interface.h*
Solution Explorer
                                                MDIO_Program.c + ×
                                                → MDIO_Program.c
                                                    MDIO_Program.c 

C\Users\Hisham Elbadry\Documents\Atmel Studio\7.0\traffic lig

void MDIO_SetPinDirection(u8 Copy_u8PinNumber, u8 Copy_u8PortNumber, u8 Copy_u8PinDirection)
۰ م
Search Solution Explorer (Ctrl+;)
                                                         if((Copy_u8PinNumber>=0)&&(Copy_u8PinNumber<8))
             h MLED_Config.h
              h MLED_Interface.h
                                                            switch(Copy_u8PortNumber)
              h MLED_Private.h
             MLED_Program.c
                                                                if(Copy_u8PinDirection==PIN_OUTPUT)
    LIB
                                                                    SET_BIT(DDRA,Copy_u8PinNumber);
          h BIT_MATH.h
          h STD_TYPES.h
                                                                else if(Copy_u8PinDirection==PIN_INPUT)

▲ I MCAL

       MDIO
                                                                    CLR_BIT(DDRA,Copy_u8PinNumber);
             h MDIO_Config.h
                                                                else
              h MDIO_Interface.h
              h MDIO Private.h
                                                                    //Invalid Pin Direction
             c MDIO_Program.c

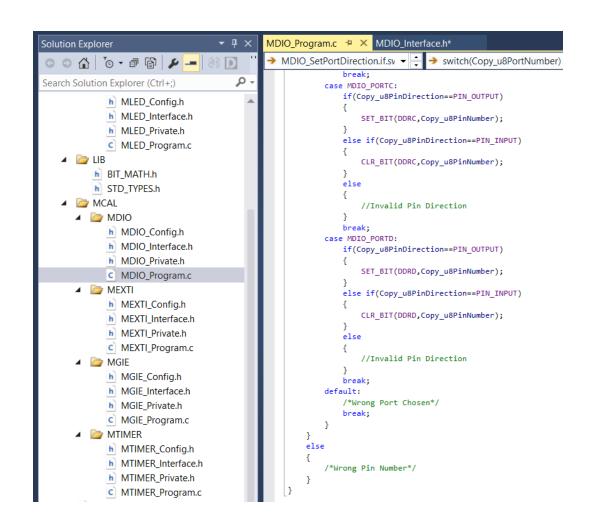
▲ I MEXTI

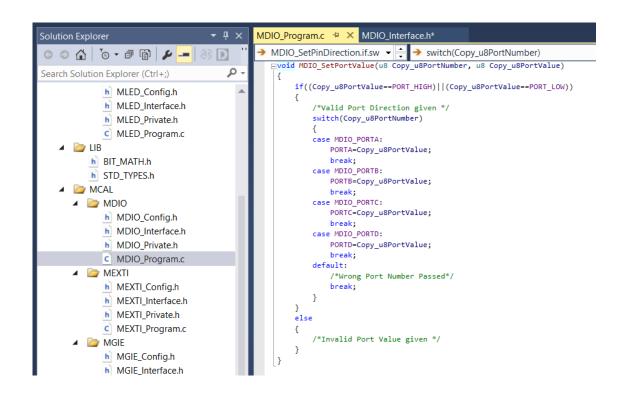
                                                            case MDIO PORTB:
                                                                if(Copy_u8PinDirection==PIN_OUTPUT)
             h MEXTI Config.h
              MEXTI_Interface.h
                                                                    SET_BIT(DDRB,Copy_u8PinNumber);
              h MEXTI Private.h
              MEXTI_Program.c
                                                                else if(Copy_u8PinDirection==PIN_INPUT)
         MGIE
                                                                    CLR_BIT(DDRB,Copy_u8PinNumber);
              h MGIE_Config.h
              h MGIE_Interface.h
                                                                else
             h MGIE_Private.h
                                                                    //Invalid Pin Direction

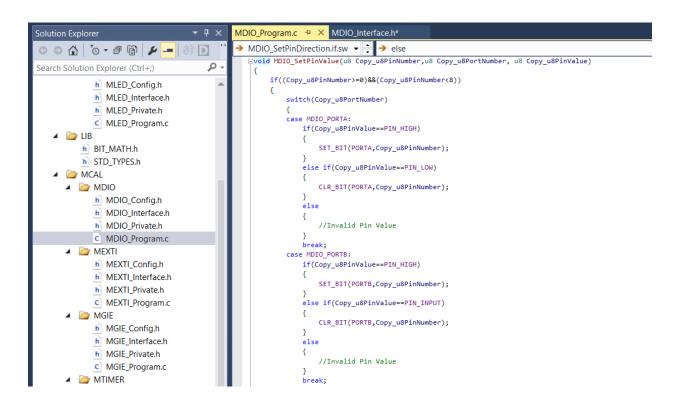
    MGIE_Program.c

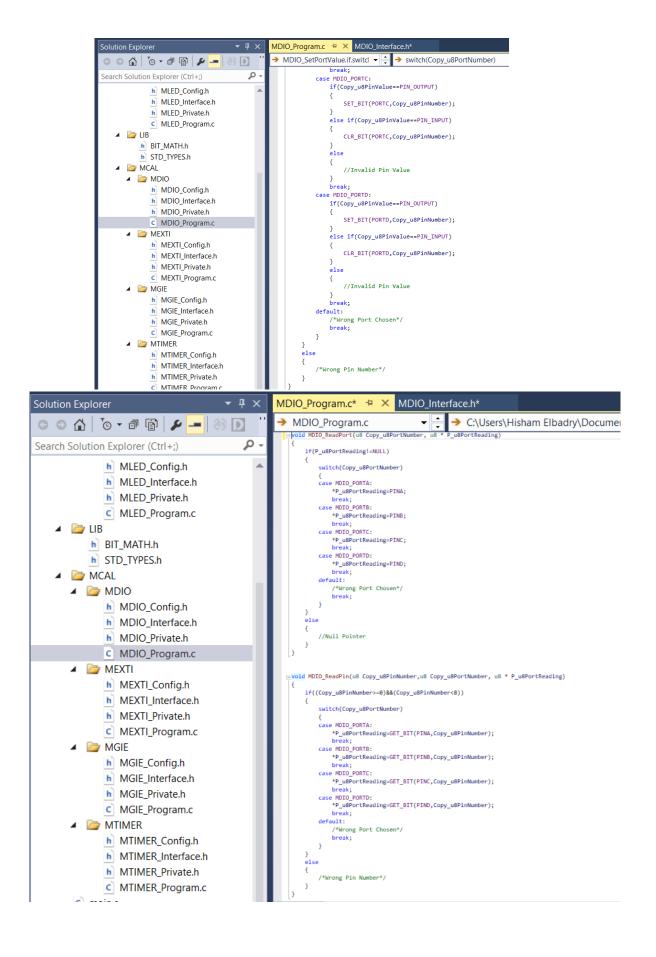
▲ I MTIMER

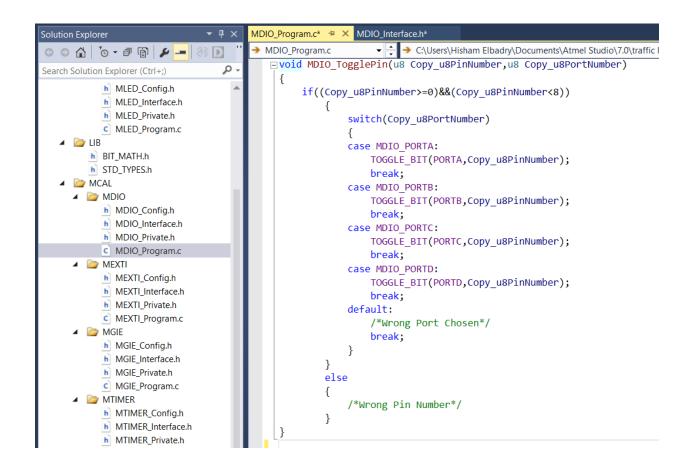
                                                                break:
```



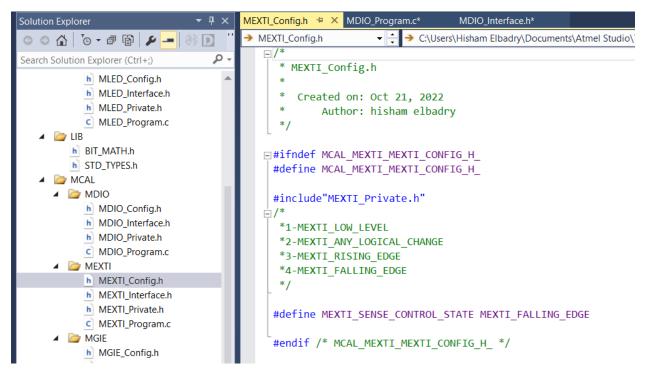


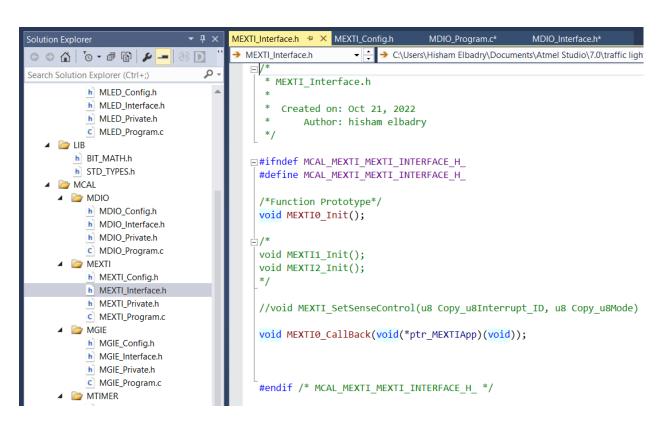


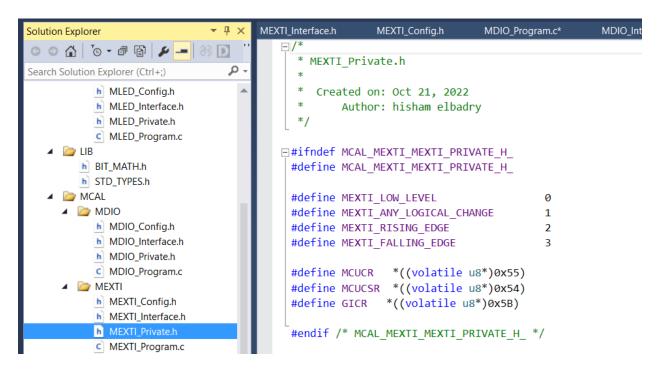


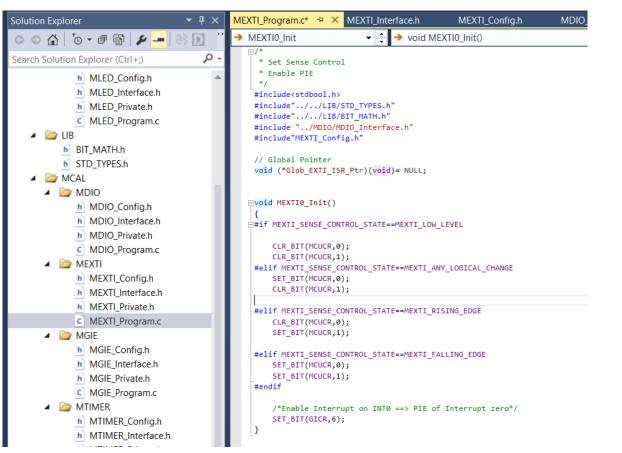


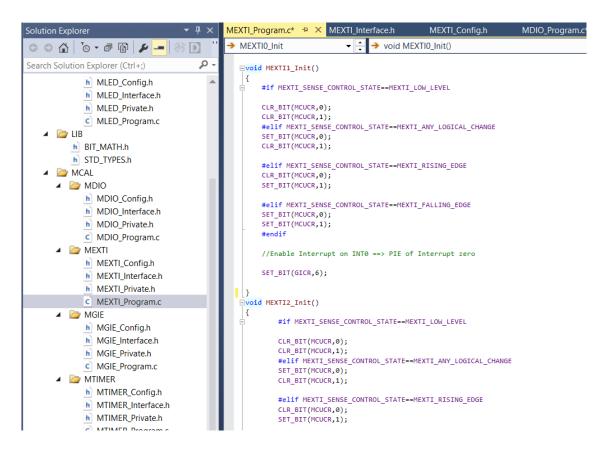
## External interrupt files

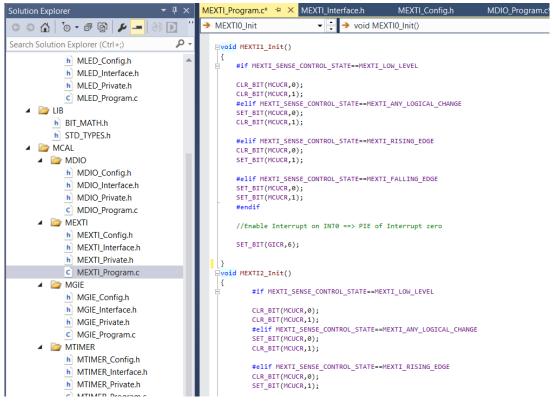




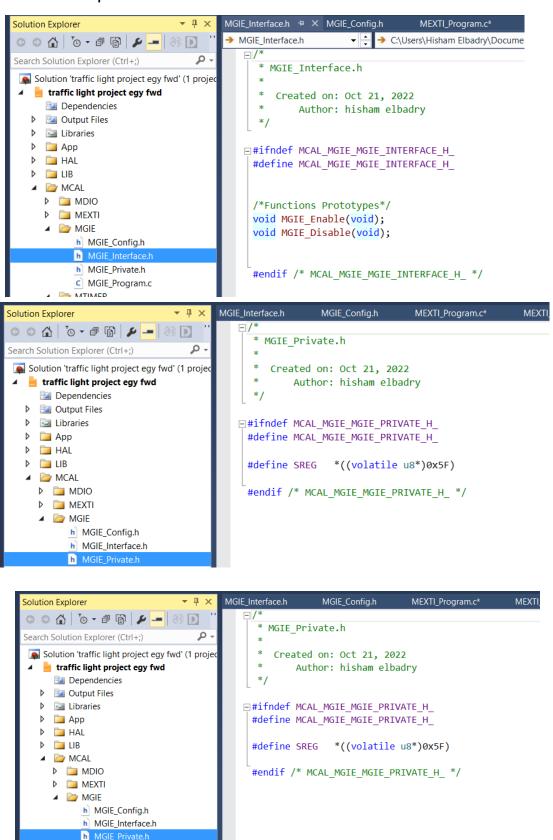




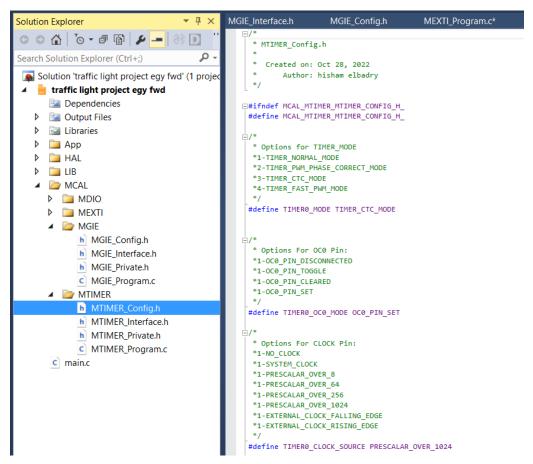


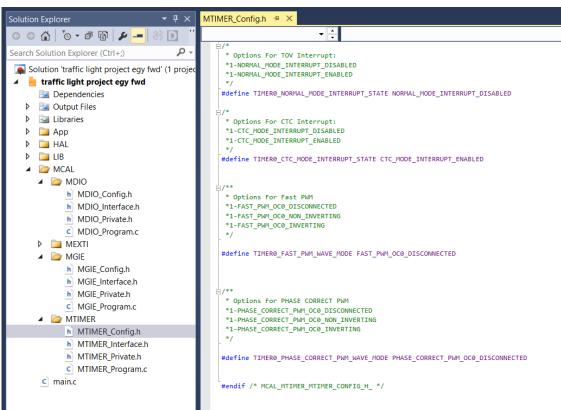


### Internal interrupt files



#### Timer files

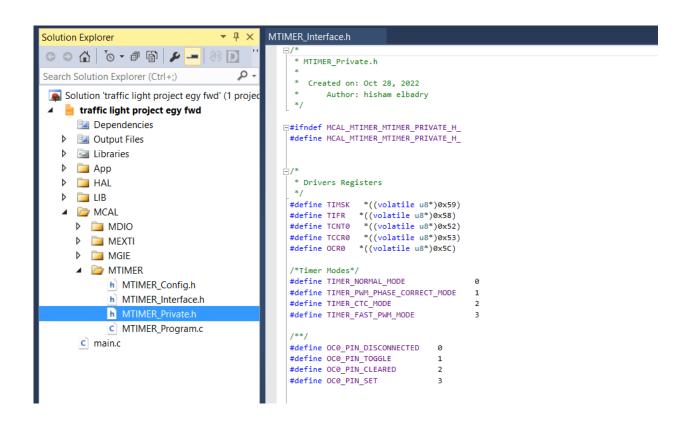


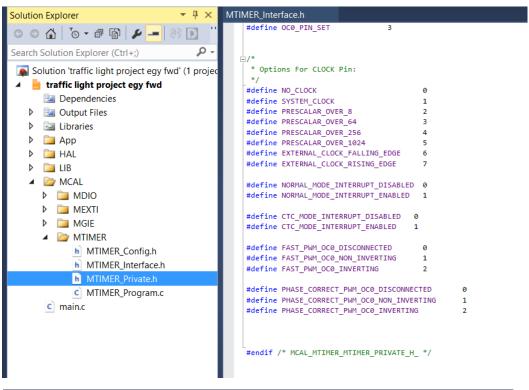


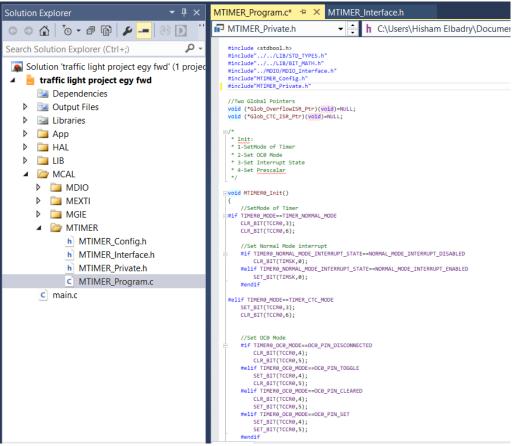
```
MTIMER_Interface.h ≠ ×
Solution Explorer
* MTIMER_Interface.h
                                      ٠ مر
Search Solution Explorer (Ctrl+:)
                                                   Created on: Oct 28, 2022
Solution 'traffic light project egy fwd' (1 project)
                                                       Author: hisham elbadry
traffic light project egy fwd
      Dependencies
                                               □#ifndef MCAL MTIMER MTIMER INTERFACE H
                                                #define MCAL_MTIMER_MTIMER_INTERFACE_H_
   Output Files
   ▶ <u>□</u> Libraries
   ▶ i App
                                                /*Function Prototypes*/
   ▶ I HAL
                                                void MTIMER0 Init();
   ▶ i LIB
                                                void MTIMER0_SetPreload(u8 Copy_u8Preload);
   MCAL
      ▶ I MDIO
                                                void MTIMER0 SetCTC(u8 Copy u80CR);
      ▶ ■ MEXTI
                                                void MTIMERO_OVERFLOW_CALLBACK(void(*Ptr_OverflowApp)(void));
      MGIE

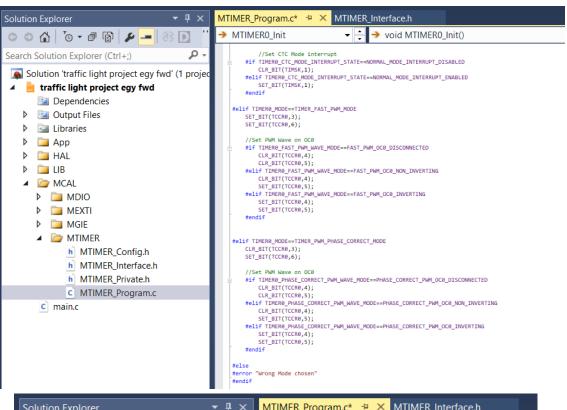
▲ I I MTIMER

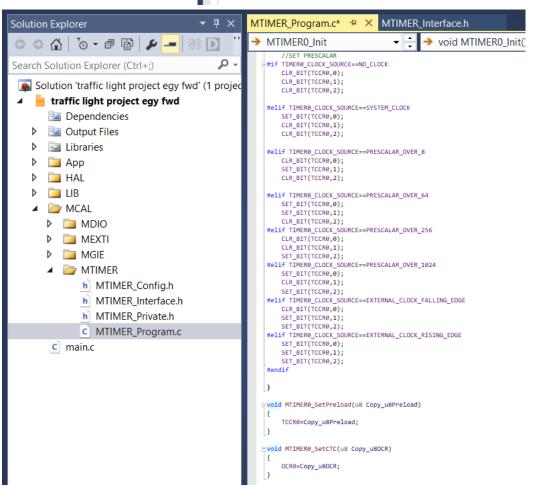
                                                void MTIMER0 CTC CALLBACK(void(*Ptr CTCApp)(void));
            h MTIMER_Config.h
            h MTIMER_Interface.h
                                                #endif /* MCAL_MTIMER_MTIMER_INTERFACE_H_ */
            h MTIMER_Private.h
```

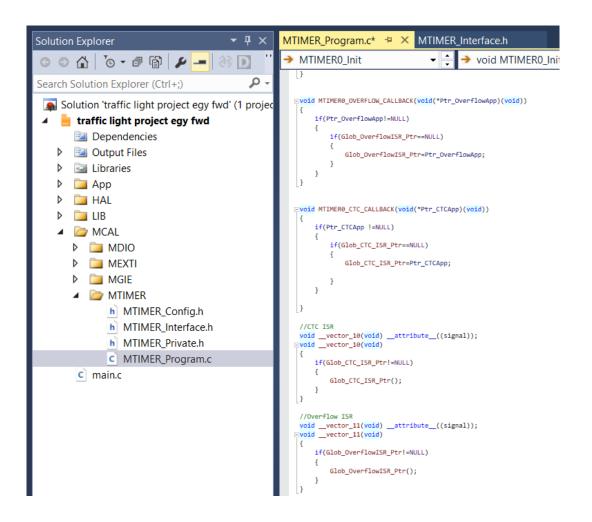






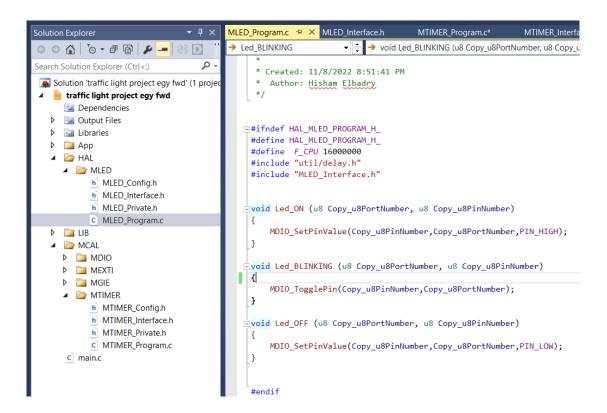


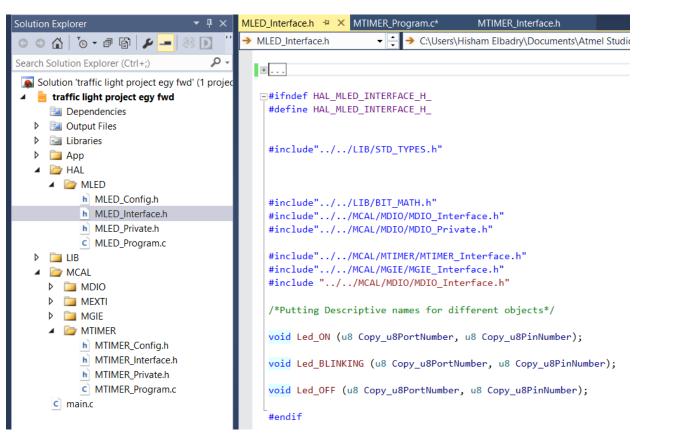




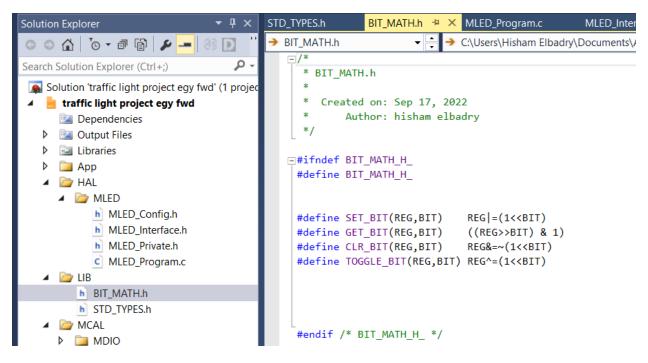
#### HAL files

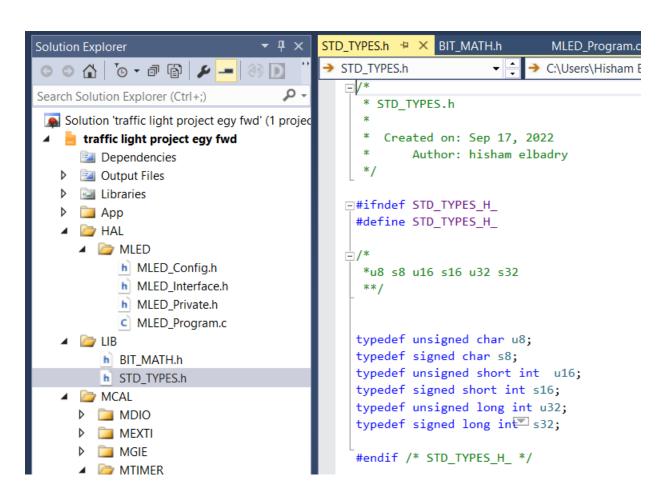
### LED files





### Library files





## App files

