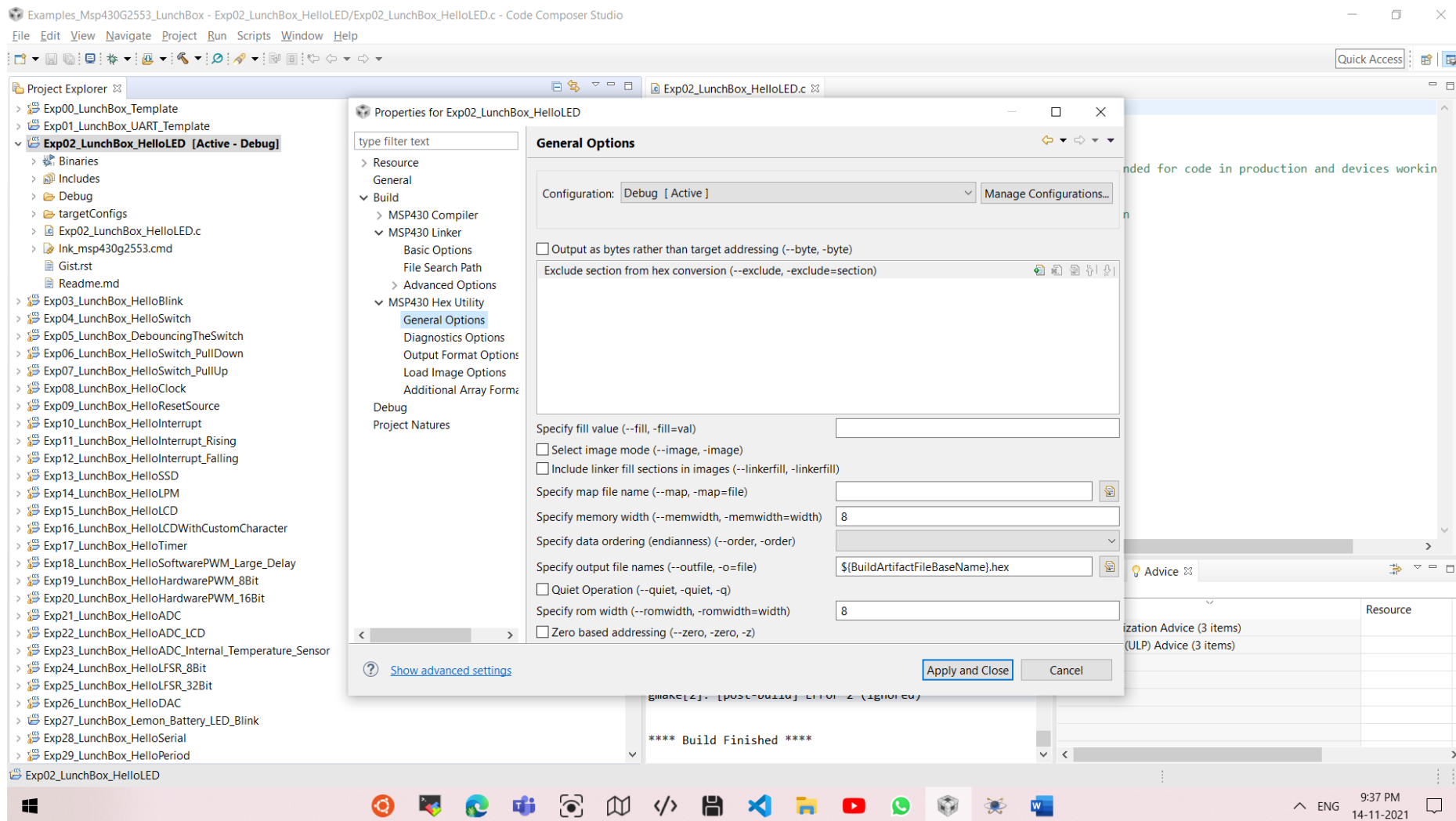


Use both HEX and ELF for proteus simulation!

See screenshots below, (credits : 14-11-2021 Naci Koçan)



Project Explorer

- Exp00_LunchBox_Template
- Exp01_LunchBox_UART_Template
- Exp02_LunchBox_HelloLED [Active - Debug]**
 - Binaries
 - Includes
 - Debug
 - targetConfigs
 - Exp02_LunchBox_HelloLED.c
 - Ink_msp430g2553.cmd
 - Gist.rst
 - Readme.md
- Exp03_LunchBox_HelloBlink
- Exp04_LunchBox_HelloSwitch
- Exp05_LunchBox_DebouncingTheSwitch
- Exp06_LunchBox_HelloSwitch_PullDown
- Exp07_LunchBox_HelloSwitch_PullUp
- Exp08_LunchBox_HelloClock
- Exp09_LunchBox_HelloResetSource
- Exp10_LunchBox_HelloInterrupt
- Exp11_LunchBox_HelloInterrupt_Rising
- Exp12_LunchBox_HelloInterrupt_Falling
- Exp13_LunchBox_HelloSSD
- Exp14_LunchBox_HelloLPM
- Exp15_LunchBox_HelloLCD
- Exp16_LunchBox_HelloLCDWithCustomCharacter
- Exp17_LunchBox_HelloTimer
- Exp18_LunchBox_HelloSoftwarePWM_Large_Delay
- Exp19_LunchBox_HelloHardwarePWM_8Bit
- Exp20_LunchBox_HelloHardwarePWM_16Bit
- Exp21_LunchBox_HelloADC
- Exp22_LunchBox_HelloADC_LCD
- Exp23_LunchBox_HelloADC_Internal_Temperature_Sensor
- Exp24_LunchBox_HelloLFSR_8Bit
- Exp25_LunchBox_HelloLFSR_32Bit
- Exp26_LunchBox_HelloDAC
- Exp27_LunchBox_Lemon_Battery_LED_Blink
- Exp28_LunchBox_HelloSerial
- Exp29_LunchBox_HelloPeriod

Exp02_LunchBox_HelloLED

Properties for Exp02_LunchBox_HelloLED

type filter text

Resource

General

Build

MSP430 Compiler

MSP430 Linker

Basic Options

File Search Path

Advanced Options

MSP430 Hex Utility

Debug

Project Natures

Configuration: Debug [Active] Manage Configurations...

Project Products

Device

Family: MSP430

Variant: <select or type filter text> MSP430G2553

Connection: TI MSP430 USB1 [Default] Identify... (applies to whole project)

☒ Manage the project's target-configuration automatically

Tool-chain

Compiler version: TI v18.12.1.LTS More...

Output type: Executable

Output format: eabi (ELF)

Device endianness: little

Linker command file: Ink_msp430g2553.cmd Browse...

Runtime support library: <automatic> Browse...

Show advanced settings

Apply and Close Cancel

Build Finished

Advice

Resource

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- Exp25_LunchBox_HelloLFSR_32Bit
- Exp26_LunchBox_HelloDAC
- Exp27_LunchBox_Lemon_Battery_LED_Blink
- Exp28_LunchBox_HelloSerial
- Exp29_LunchBox_HelloPeriod

Properties for Exp02_LunchBox_HelloLED

type filter text

- Resource
- General
- Build
 - MSP430 Compiler
 - MSP430 Linker
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 - File Search Path
 - Advanced Options
 - MSP430 Hex Utility
- Debug
- Project Natures

Basic Options

Configuration: Debug [Active] Manage Configurations...

Specify the output path for section dependence information (--emit_references:file)

☐ Specify the format for section reference information (--emit_references:format) [TEXT]

Link information (map) listed into <file> (--map_file, -m)

Specify output file name (--output_file, -o)

Heap size for C/C++ dynamic memory allocation (--heap_size, -heap)

Set C system stack size (--stack_size, -stack)

Hold watchdog timer during cinit auto-initialization (--cinit_hold_wdt)

[Show advanced settings](#) Apply and Close Cancel

makefile:166: recipe for target 'post-build' failed
process_begin: CreateProcess(NULL, F:\ti\Examples_Msp430G2553_LunchBox\Exp02_LunchBox_HelloLED\Debug\...\BSL_Program\BSLDEM02.exe -cCOM3 -m1 +epvr Exp02_LunchBox_HelloLED.txt, ...) failed.
gmake[2]: [post-build] Error 2 (ignored)
**** Build Finished ****

Advice

Description	Resource
Optimization Advice (3 items)	
Power (ULP) Advice (3 items)	

Exp02_LunchBox_HelloLED

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Project Explorer

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- Exp26_LunchBox_HelloDAC
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- Exp28_LunchBox_HelloSerial
- Exp29_LunchBox_HelloPeriod

Project

- New CCS Project...
- New Energia Sketch...
- Examples...
- Build Project
- Build All Ctrl+B
- Build Configurations
- Build Working Set
- Clean...
- Build Automatically
- Show Build Settings...
- Import CCS Projects...
- Import Legacy CCSv3.3 Projects...
- Add Files...
- RTSC Tools
- Import Energia Sketch...
- Import Energia Libraries...
- C/C++ Index
- Properties

```

1 #include <msp430.h>
2
3 /*@brief entry point for the code*/
4 int main(void) {
5     WDTCTL = WDTPW | WDTHOLD;    // Stop Watchdog (Not recommended for code in production and devices working in production)
6
7     //P1DIR |= BIT7;
8     P1DIR |= 0x80;               // Set P1.7 to output direction
9
10    //P1OUT |= BIT7;
11    P1OUT |= 0x80;               // Set P1.7 to HIGH voltage
12
13    //P1OUT &=~ BIT7;
14    //P1OUT &=~ 0x80;           // Set P1.7 to LOW voltage
15
16    return 0;
17 }
18

```

CDT Build Console [Exp02_LunchBox_HelloLED]

```

makefile:166: recipe for target 'post-build' failed
process_begin: CreateProcess(NULL, F:\ti\Examples_Msp430G2553_LunchBox\Exp02_LunchBox_HelloLED\Debug\...\BSL_Program\BSLDEM02.exe -cCOM3 -m1 +epvr Exp02_LunchBox_HelloLED.txt, ...) failed.
gmake[2]: [post-build] Error 2 (ignored)
**** Build Finished ****

```

Problems	
6 items	
Description	Resource
Optimization Advice (3 items)	
Power (ULP) Advice (3 items)	



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Properties for Exp02_LunchBox_HelloLED

type filter text

- Resource
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 - MSP430 Linker
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 - File Search Path
 - Advanced Options
 - MSP430 Hex Utility
 - General Options
 - Diagnostics Options
 - Output Format Options
 - Load Image Options
 - Additional Array Form
- Debug
- Project Natures

Output Format Options

Configuration: Debug [Active] Manage Configurations...

☐ Array output format (--array)

Output format Output Intel hex format (--intel, -i)

[Show advanced settings](#)

Apply and Close

Cancel

GMAKE[2]: [post-build] Error 2 (ignored)

**** Build Finished ****

Exp02_LunchBox_HelloLED



ENG

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Previously:

