Eclipse Program Example

Last updated 11/28/22

These slides walk through the steps to run a program in Eclipse

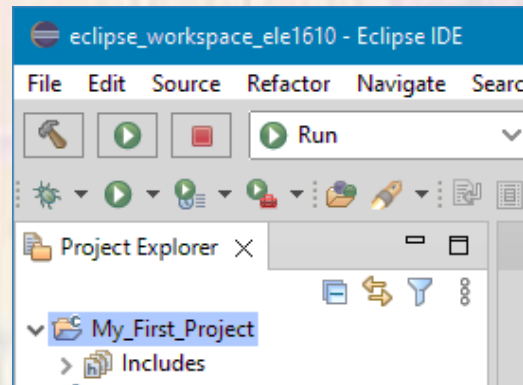# Eclipse Program Example

Absolutely no understanding of the code is expected in these slides

This is the process you will use

Eclipse Program Example

- Pre-requisites
  - Eclipse properly setup
    - Eclipse Installation slides, Eclipse Setup slides
 - An eclipse project created
    - Eclipse Project Setup slides

Eclipse Program Example

- Create the code file
  - Rt-click on your project
    New → C Source File
  - Check to see if the project folder name is correct
  - Provide a program file name
    (DO NOT FORGET THE .c EXTENTION)
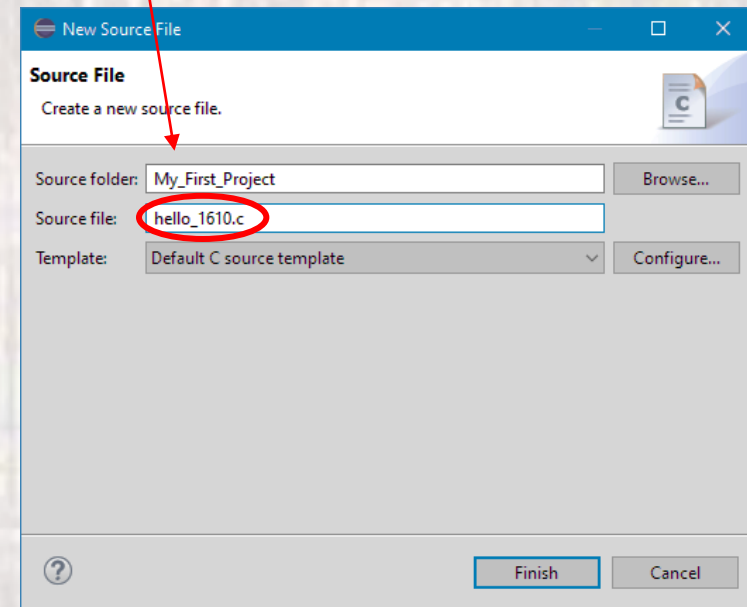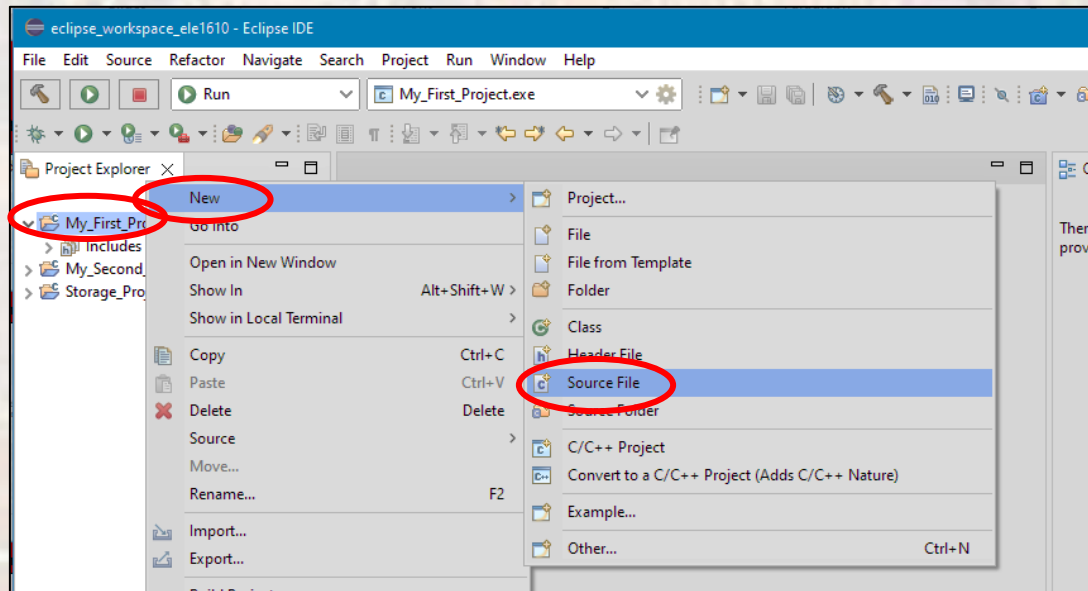
Eclipse Program Example

- Type in your program
  - Be very careful – every character matters
  - Save your file
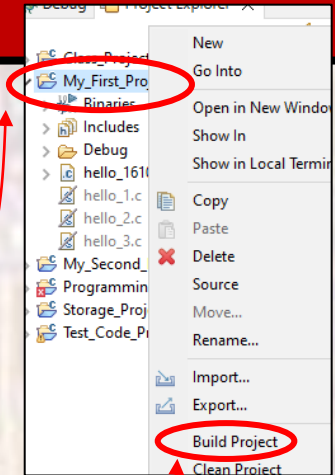   - Rt-click in the file and select save

    or

    - Select the save icon
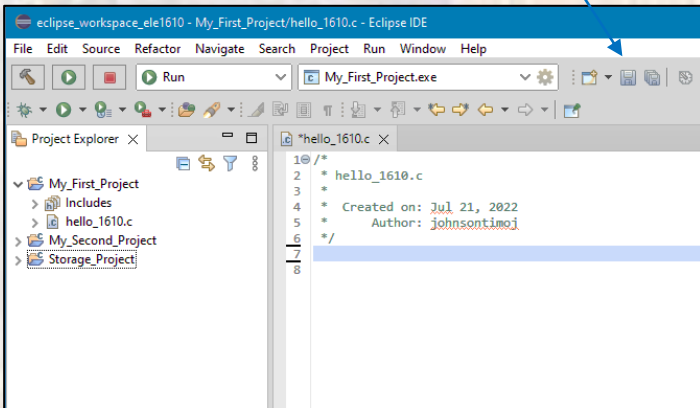

```c
1  /*
2   * hello_1610.c
3   *
4   *  Created on: Jul 21, 2022
5   *      Author: johnsontimoj
6   */
7  ///////////////////////////
8  //
9  // Hello code to Eclipse Program Example
10 //
11 // inputs - none
12 // outputs - print statements
13 //
14 ///////////////////////////
15 #include <stdio.h>
16
17 int main(void){
18     setbuf(stdout, NULL);   // fix for Eclipse/Windows printing
19
20     // simple program to print a greeting
21     // Use your name
22     printf("Hello ELE1610 from tj\n");
23
24     return 0;
25 }// end main
26
```

* indicates unsaved

Eclipse Program Example

- Compile (build) your program
  - Checks for errors
  - Creates an executable version of your code
    - System dependent

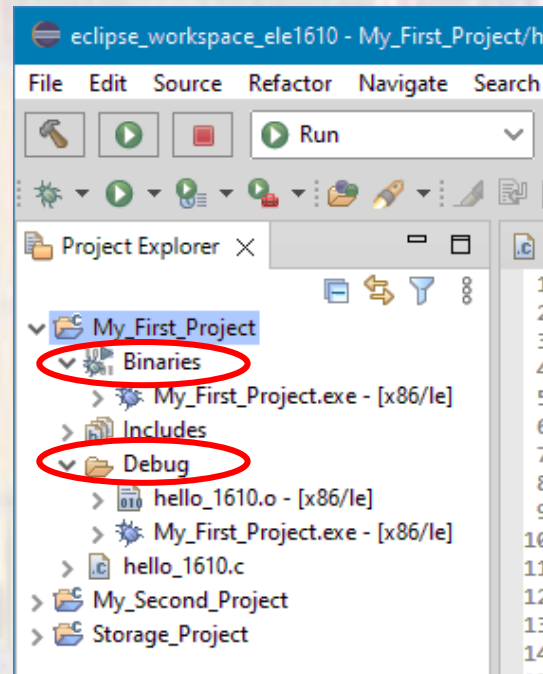- Rt-click on your project or your code file → Build Project

- Clean up any errors, and Build Project again

Eclipse Program Example

- Compile (build) your program
  - Note: you now have two new directories in your project
    - More on them later

Eclipse Program Example

- Run (execute) your program
  - Runs on your laptop, prototype board, …
  - Rt-click on your project or your code file
    - → Run As → Local C/C++ Application