Last updated 3/6/19

Create a project (Eclipse CPP Project Setup)

Eile Edit Source Refactor Navigate Search Project Run Window Hell Image: Search Project.exe Image: Search Project.exe
Image: Second sectors Image: Second sectors
 2 ▼ A ▼ Connections Connections
Project Explorer 🛛 🕏 Connections
⊟ 43 ⊅ ▽
✓ I dev_project
> 🗱 Binaries
> S Includes
> 🗁 src
> 🙆 Debug
 graphics_dev graphics_dev
> @ Includes
> B cuba con
✓ is cube.cpp ✓ is my new project
A my source file cop
B my source file h

Edit my_source_file.cpp

```
19/*
    * my source file.cpp
 2
 3
   * Created on: Jan 11, 2019
 4
          Author: johnsontimoj
 5
   *
 6
   */
 7
8⊖ // Message source file
9 //
10 // Includes my message function
11 //
12
13 #include <iostream>
14 using namespace std;
15
17 //
18 // function to print out a single integer value
19 //
20 // output - side effect (prints value)
21 //
22 // inputs - value to print
23 //
           type int
24 //
26⊖ void message(int val){
      cout << val << endl;</pre>
27
28
29
      return;
   } // end message
30
```

Description of File

Description of function

Function Definition

2.1

- Edit my_source_file.h
 - Copy the function declaration and description

```
10 /*
     * my source file.h
  2
  3
    * Created on: Jan 11, 2019
 4
          Author: johnsontimoj
  5
  6
     */
 8⊖// Message source file
 9 //
 10 // Includes my message function
 11 //
 12
13 #ifndef MY_SOURCE_FILE_H
   #define MY SOURCE FILE H
 14
 15
 17
   11
 18 // function to print out a single integer value
 19 //
 20 // output - side effect (prints value)
 21 //
 22 // inputs - value to print
             type int
 23 //
 24 //
 26 void message(int val);
 27
   #endif /* MY SOURCE FILE H */
 28
 29
```

Description of File

Description of function

Function Declaration

Conditional

Define

Create a top level .cpp file my_top_source_file.h

```
10/*
      my top source file.cpp
 З
     * Created on: Jan 11, 2019
 4
            Author: johnsontimoj
 5
     *
 6
     */
 7
 8⊖ // Top level file for Eclipse example
 9
   11
10
   #include "my_source_file.h"
11
   #include "windows.h"
12
13
    #include <iostream>
14
   using namespace std;
15
16
17⊖ int main(void){
18
        int cnt;
19
        cnt = 0;
20
        while (1){
21
            message(cnt);
22
            Sleep(1000);
23
            cnt++;
24
        } // end while
25
    } // end main
26
```

Description of File

```
Main program
```

Includes

27

- Save all the files
- Build your project (Project → Build Project)
- Run the project
 - Click the arrow



Watch your program run in the console window



- Alternate run method
 - Build your project as before
 - Go to the debug directory in your project via windows file manager

Name	Di
my_new_project.exe	1/
my_source_file.o	1/
my_top_source_file.o	1/

• Double click on the .exe file

INCODIVE MSOE 19_Q3_EE2510 Projects workspace_ee2510_eclipse my_new_project Debug my_new_project.exe

- Alternate run method
 - If you run using the .exe file method you may need to:
 - Before your return statement add the lines

cout << flush;
system("pause");</pre>

 Without this the program will run so fast and close the window before you can see anything