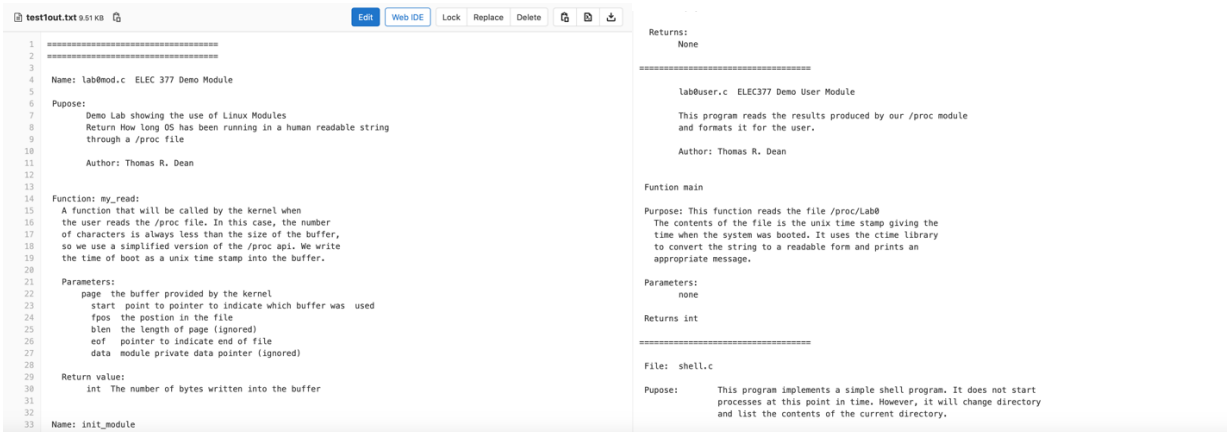
Test Description

Script 1



```
test1out.txt 9.51 KB   Edit | Web IDE | Lock | Replace | Delete

 1  ==========
 2  ==========
 3
 4   Name: lab0mod.c  ELEC 377 Demo Module
 5
 6   Pupose:
 7          Demo Lab showing the use of Linux Modules
 8          Return How long OS has been running in a human readable string
 9          through a /proc file
10
11          Author: Thomas R. Dean
12
13
14   Function: my_read:
15     A function that will be called by the kernel when
16     the user reads the /proc file. In this case, the number
17     of characters is always less than the size of the buffer,
18     so we use a simplified version of the /proc api. We write
19     the time of boot as a unix time stamp into the buffer.
20
21     Parameters:
22         page  the buffer provided by the kernel
23           start  point to pointer to indicate which buffer was  used
24           fpos  the postion in the file
25           blen  the length of page (ignored)
26           eof   pointer to indicate end of file
27           data  module private data pointer (ignored)
28
29     Return value:
30           int  The number of bytes written into the buffer
31
32
33   Name: init_module
```

```
 Returns:
       None

==========

       lab0user.c  ELEC377 Demo User Module

       This program reads the results produced by our /proc module
       and formats it for the user.

       Author: Thomas R. Dean


 Funtion main

 Purpose: This function reads the file /proc/Lab0
   The contents of the file is the unix time stamp giving the
   time when the system was booted. It uses the ctime library
   to convert the string to a readable form and prints an
   appropriate message.

 Parameters:
       none

 Returns int

==========

 File:  shell.c

 Pupose:       This program implements a simple shell program. It does not start
               processes at this point in time. However, it will change directory
               and list the contents of the current directory.
```

As seen in the outputs, the test file starts by the bars of equal signs, one is the initial bar and the other is the one followed by each extracted file. All the comments in the .c or .h files are extracted into the test file; these comments are will organized. Between each file, a bar of equal signs is also added as expected.

Script 2

test2out.txt 206 Bytes

```
1  Main files:
2  labs/lab0/lab0user.c 1 1
3  labs/lab1/shell.c 10 8
4  labs/lab3/consumer.c 0 2
5  labs/lab3/meminit.c 3 0
6  labs/lab3/producer.c 0 2
7  Modules files:
8  labs/lab0/lab0mod.c : 77,80,108
9  labs/lab2/lab2.c : 47,96
```

test2noout.txt 72 Bytes

```
1  Main files:
2  labs/lab1/shell.c 10 8
3  Modules files:
4  module file not found
```

As seen in the pictures above, when the argument number is great than 0, the file path of both main files and module files are be printed, for the main files, the number of printf and fprintf are shown after the file path. Also, for module files, the lines number of printk is printed after the file as expected.

For the one with no output of module files, main file is printed as expected, but the module file shows the error message that no file is found.