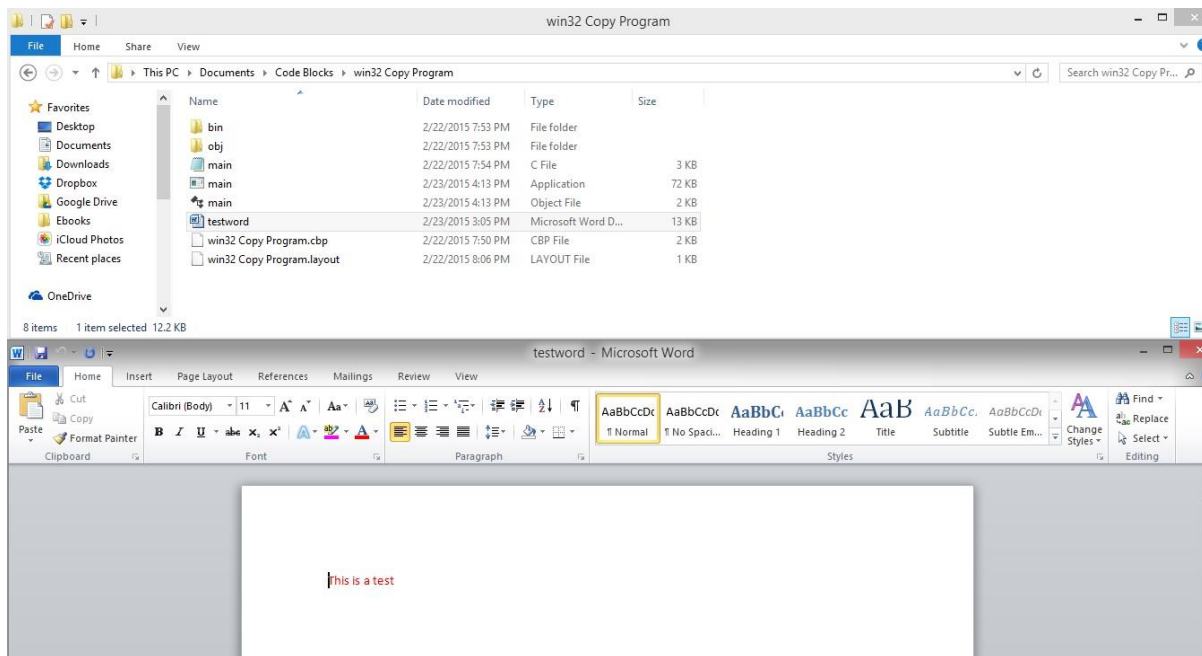


Homework #2

For this assignment we had to write a copy program similar to the cp command in bash. Once you compile it you can use the .exe file with an additional two parameters, the first one being the name of the file you want to copy and the second one being the name you want to give to the copied file. In my program I first check to see if the file the user wants to copy exist, if it doesn't I end the program there. Then I check to see if I successfully created the destination file or else I end the program there. If we get through those two sequences then we start reading from the file we want to copy and start copying into the destination file with a do while loop. 1024 bytes is the maximum for every loop. Once the file is copied we print out a message "File Copy successful, %u bytes copied.\n\n" where %u is the number of bytes that were copied. Then I close both files for good programming practice.

Win32

Before: We are going to be copying the word document named testword.docx



First I compile my program source file with the cl command then I use the .exe file with two parameters, (main.exe testword.docx destination.docx). I copy a binary file (.docx) that is over 1kb in this example.

```
Visual Studio Command Prompt

C:\Program Files (x86)\Microsoft Visual Studio 12.0>cd C:\Users\Eric\Documents\Code Blocks\win32 Copy Program

C:\Users\Eric\Documents\Code Blocks\win32 Copy Program>cl main.c
Microsoft (R) C/C++ Optimizing Compiler Version 18.00.31101 for x86
Copyright (C) Microsoft Corporation. All rights reserved.

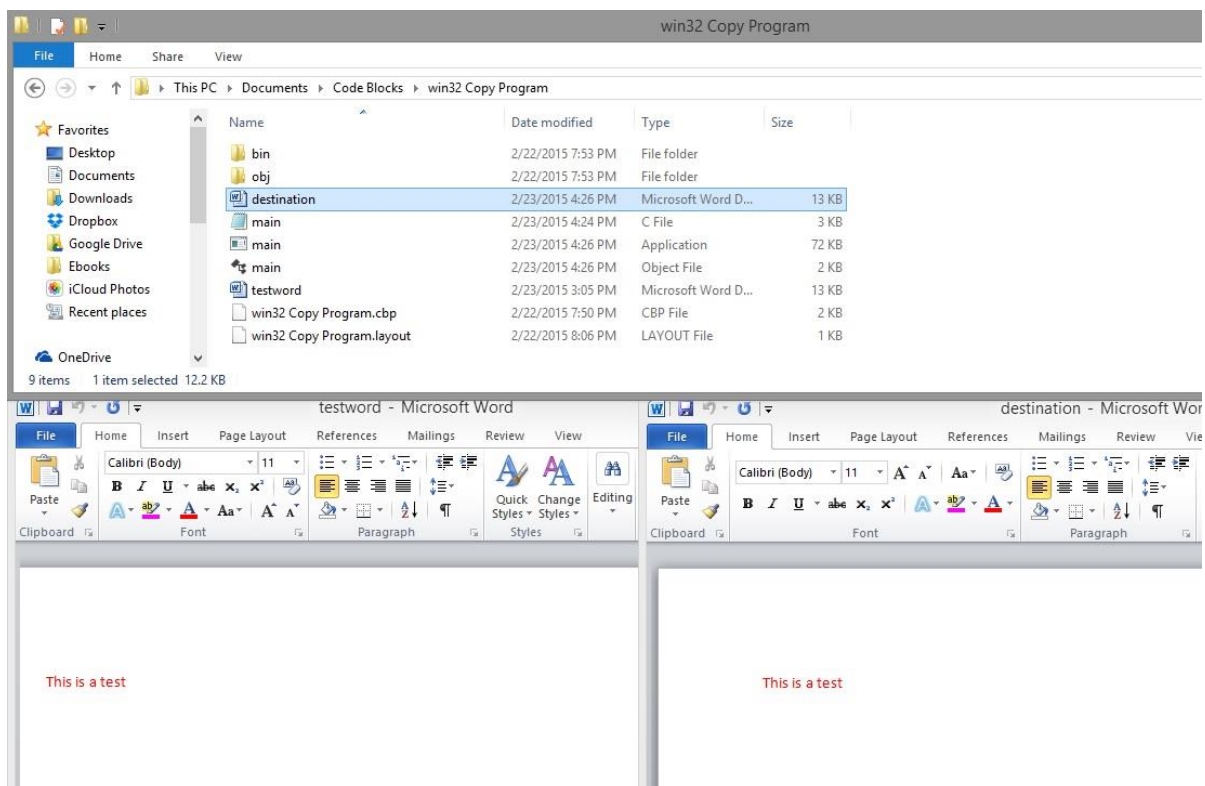
main.c
Microsoft (R) Incremental Linker Version 12.00.31101.0
Copyright (C) Microsoft Corporation. All rights reserved.

/out:main.exe
main.obj

C:\Users\Eric\Documents\Code Blocks\win32 Copy Program>main.exe testword.docx destination.docx
File Copy successful, 12585 bytes copied.

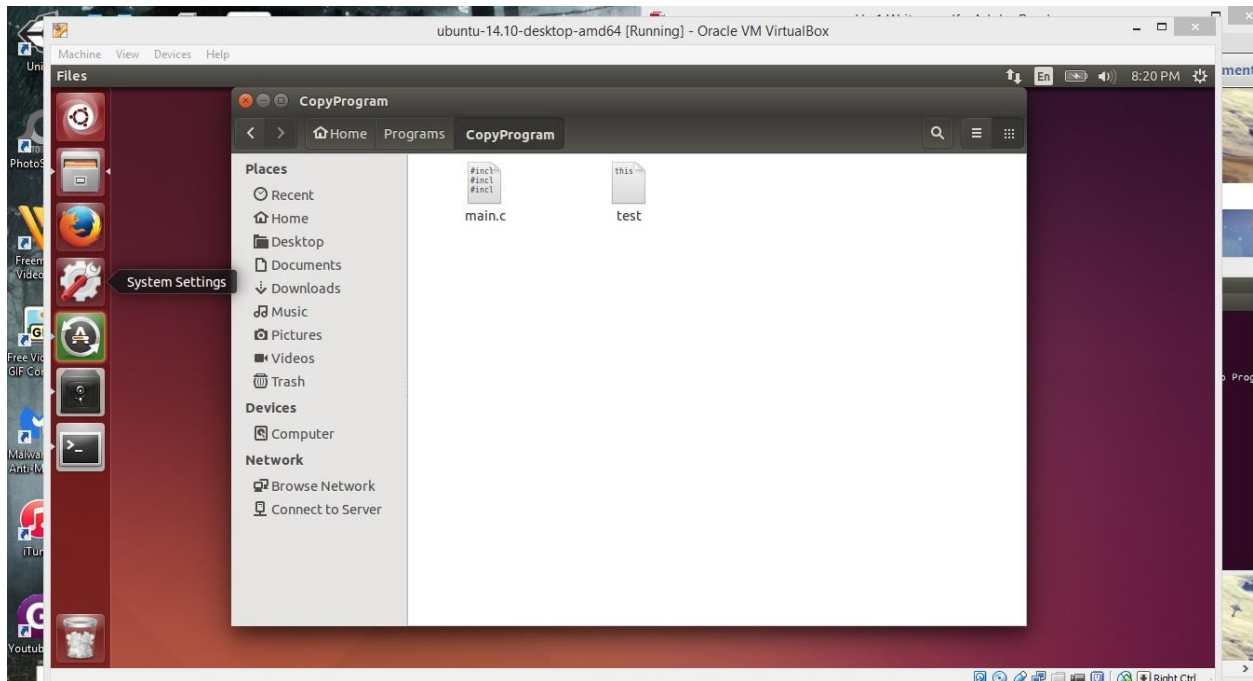
C:\Users\Eric\Documents\Code Blocks\win32 Copy Program>
```

After: As you can see we made a new file called destination.docx with the same contents as testword.docx

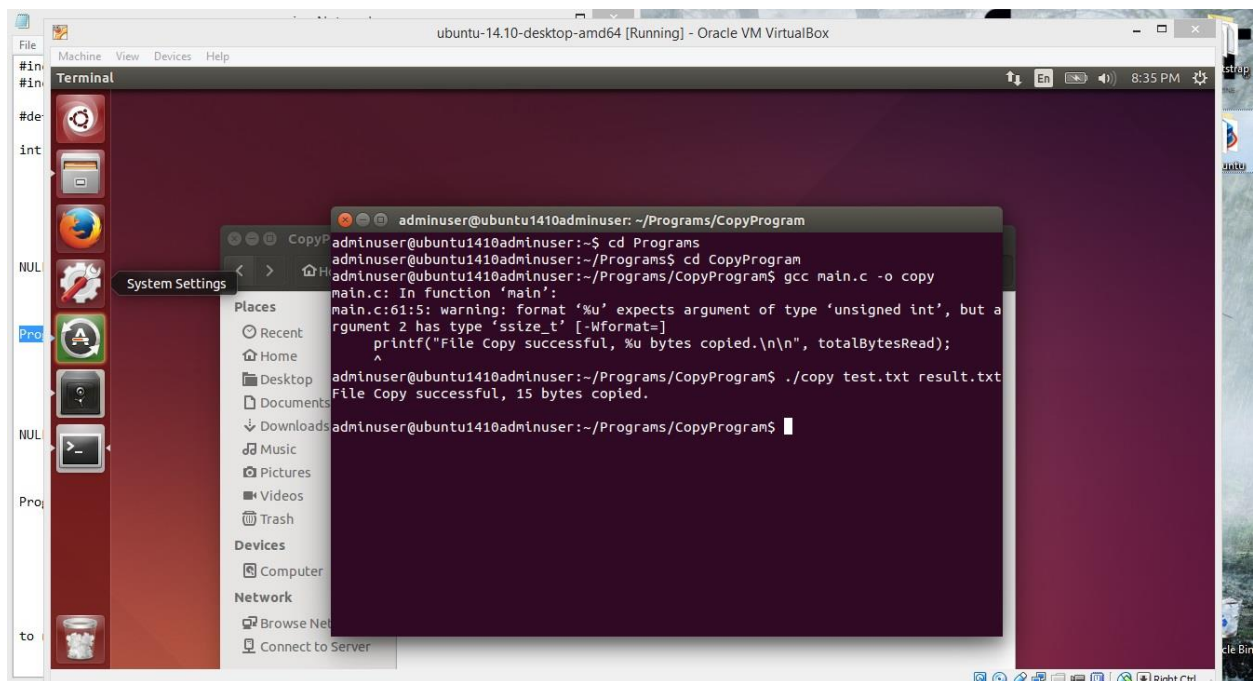


Posix

Before: We will be copying the text document named test.



First I compile my program source file with the gcc command then I use the ./copy file with two parameters, (./copy test.txt result.txt). Im copying a text file (.txt) that is around 15 bytes



After: As you can see we made a new file called `result.txt` with the same contents as `test.txt`

