Lets C what We learned

Cornell College

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Richard Stallman

- Nickname is rms
- Free Software Foundation
- GNU project
- GNU Compiler Collection
- Copyleft
- Was in the IEEE committee that wrote the standard that ultimately became known as POSIX

Free Software Foundation

- The Free Software Foundation (FSF) is a nonprofit with a worldwide mission to promote computer user freedom and to defend the rights of all free software users.
- GNU General Public License
- campaigns for free software adoption and against proprietary software

GNU General Public License

- GNU
- GPL
- GPL
- Free software liscense which guarantees end users the freedom to run, study, chare, copy, and modify software.
- Copyleft

- open()
- read()
- write()
- Common Flags
- O_RDONLY Read Only
- O_WRONLY Writable
- O_CREAT Create a destination file with file system permission.
- Purpose: To open file for reading or writing or to create a new file.

```
/** Creating an input and an output file descriptor **/
   /* Create input file descriptor */
   input_file = open (argv [1], O_RDONLY);
   if (input_fd == -1) {
          perror ("open");
          return 2;
 /* Create output file descriptor */
   output_file = open(argv[2], O_WRONLY | O_CREAT, 0644);
   if(output_fd == -1){
       perror("open");
       return 3;
```

```
/** Close file descriptors **/
close (input_file);
close (output_file);
```