Burt Rosenberg

Problem Set 1

Goals

Introduction to C and Unix

Reading Assignment

Chapters 1 through 5 in the cow book.

Assignment

Exercises 1 through 5 in chapter 3 from the cow.

Notes on Unix

Important commands:

- `ls` To list the current directory.

- `cd` *directory-name* To change the current directory.

- `cd ..` (with two dots) To move up to the parent directory.

- `cd` (with no arguments) To return to your home directory.

- `rm` *file-name* To remove a file.

- `cp` *exisiting-file new-file* To copy a file.

- `mkdir` *directory-name* To make a subdirectory.

- `rmdir` *directory-name* To remove a subdirectory.

- `more` *file-name* To "more" (that is, display) a file.

- `pico` *file-name* To pico (edit) a file.

- `cc` *file-name* To compile a C file.

- `a.out` To run the default output of `cc`.

- `mail mth220@cs.miami.edu <` *file-name* To mail your file.

- `logout` To log out.

Example Programs

```
cs> more test.c
#include<stdio.h>
/* test.c
   Burt Rosenberg
   Math 220, Fall 1995
*/
char c ;
char *s ;
main() {
  s = "%c\n" ;
  c = '!' ;
  printf(s,c) ;
}
cs> cc test.c
cs> a.out
!
cs> more test2.c
#include<stdio.h>
/* test2.c
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   Mth 220, Fall 1995
*/
char *s ;
main() {
  s = "hi!\n" ;
  while( *s != '\0' ) {
    printf("%c", *(s++) ) ;
  }
}
cs> cc test2.c
cs> a.out
hi!
cs>
```