

CS-701 Lecture 20

April 19, 2001

Assignment 5

- Command line editing
 - Alias definition and substitution
 - Environment variable setting and substitution
 - Command history recall
 - Quoted arguments

Why replace *strtok()*

- No way to get back the delimiter found.
 - `char* strtok2(char* delim, char*, const char*)`
- No way to use arrow keys to recall previous commands, tab completion, etc.
- Quoting is difficult to handle, especially once you allow escape chars. (\)
- Solution: Read characters from *stdin* (fd 0) one at a time.

Processing “raw” TTY Input

- Read and write a character at a time.
 - Sample Code