Topics This Section

• MP3 overview
• `printf()` / `fgets()`, `getline()` example
• `fork()` / `exec()` / `wait()` example
• `strtok()`, `chdir()` example
MP3

• Simple Unix shell
• Built-in commands
  • Change directory
  • Termination
  • History
• Non built-in commands
• Error handling
• Concepts: process, fork, exec, wait
Read the command from stdin

• Let’s look at 1.c
Running Non Built-in Commands

• Requires a new process to run the binary
  • Why?
    • fork() creates a new process
    • exec() runs executable
    • wait() makes the parent wait for the child to finish
  • Instead of using system(), we use fork + exec + wait