

- 2 types of design
 - Command line interface
 - GUI
 - Batch
- CLI
 - Takes commands
 - Passes information to the OS
 - Displays responses
- Batch CLI
 - Job control process
 - No interaction. Just starts, stops, and returns output
- Standard CLI
 - Interactive
 - A richer interface than batch
 - Often requesting information using many more input formats
 - Menu interface
 - Often unwieldy as the system grows
 - Like a GUI
 - Preferred by novices, but not experienced users
 - Command handler
 - Terminal Handler
 - Handles
 - Output to screen
 - Input from keyboard (typeahead)
 - Case conversion
 - Buffering
 - Arguments (parameters)
 - position based
 - keyword based
- Reasonable OS
 - Helpful error messages
 - Prompt against destructful actions
 - Polite
 - Progress messages (long commands)
 - Termination messages (some way to say commands ended)
- Help
 - Details about commands
 - All commands list