



COMMAND LINE ARGUMENTS

Command Line Interface (CLI)



INTERACTIVE COMPUTER INTERFACES

GUI

- Graphical User Interface
- Windows with
 - a pointing device for selecting
 - icons, menus, buttons, etc.
 - a keyboard
 - text

CLI

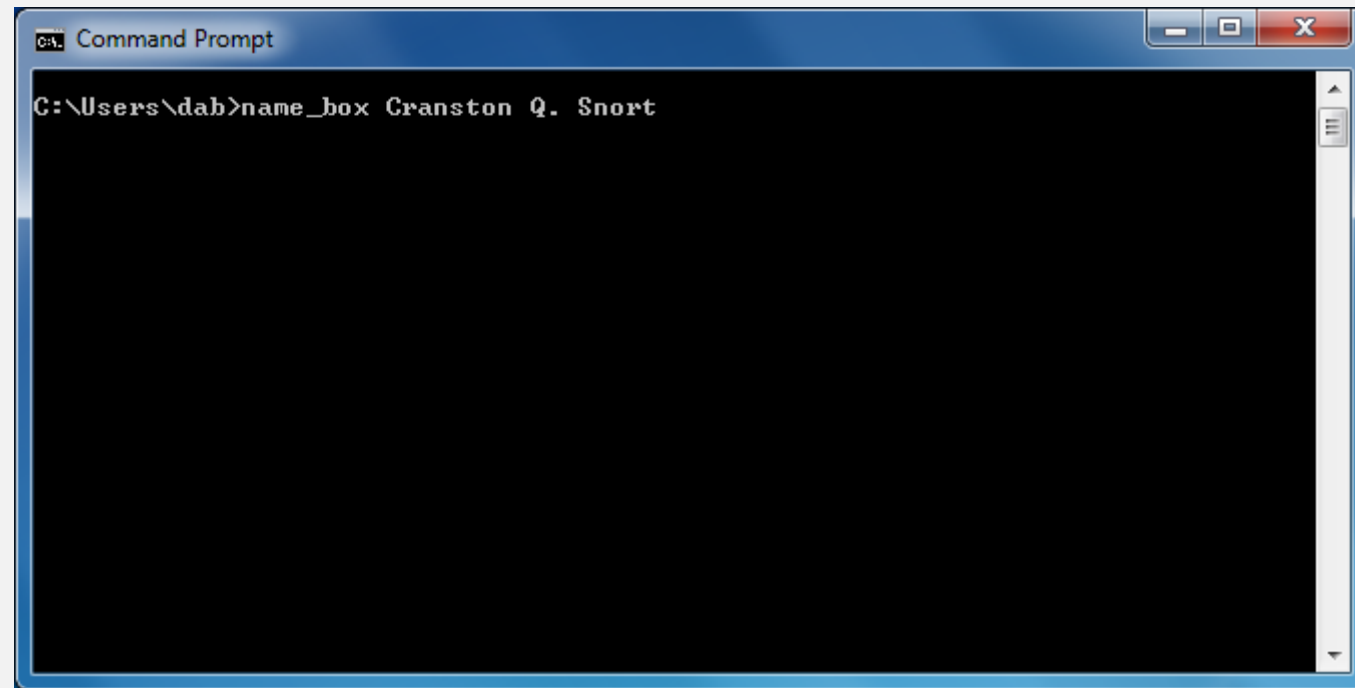
- Command Line Interface
- Commands are entered as text or strings
- A program (e.g., “Command Prompt” or a shell)
 - Allows the user to enter and edit commands
 - Reads and interprets the command or runs a program
 - Converts non-text elements to an appropriate type



ARE CLI'S OBSOLETE?

- Maybe they are for some end users
- CLIs are important for computer professions
 - Icons in a GUI are wrapper for a CLI.
 - Operating systems use a CLI whenever they run a program
 - Some programs do not have a GUI
 - Servers
 - Utilities

COMMAND LINE: USER SIDE



```
Command Prompt
C:\Users\dab>name_box Cranston Q. Snort
```

The image shows a screenshot of a Windows Command Prompt window. The window title is "Command Prompt" and the current directory is "C:\Users\dab". The command "name_box Cranston Q. Snort" has been entered at the prompt. The window has a blue title bar with standard Windows window controls (minimize, maximize, close) on the right side. The main area is black with white text.

COMMAND LINE: SYSTEM SIDE

- `C:\Users\dab\>name_box Cranston Q. Snort`
- `main(int argc, char* argv[])`

