WPLUG

WESTERN PENNSYLVANIA
LINUX USERS GROUP

Linux Demo Day

February 4, 2006

Welcome!

What is an Operating System?

- Software necessary to run applications on a computer

What is an Application?

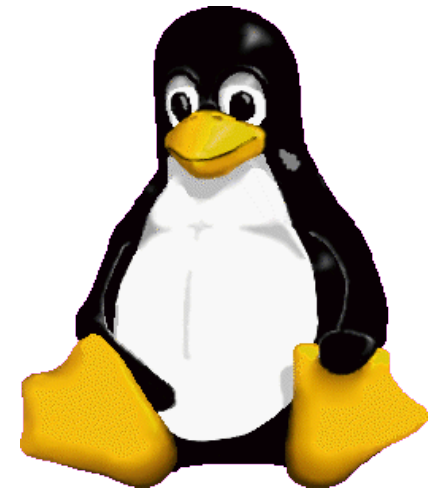- Program that a normal person can use to do something useful

Something Useful

- 2 + 2 = ?

Kernel

Kernel

- Indian name: *Talks To Hardware*
- Normal people cannot use it directly
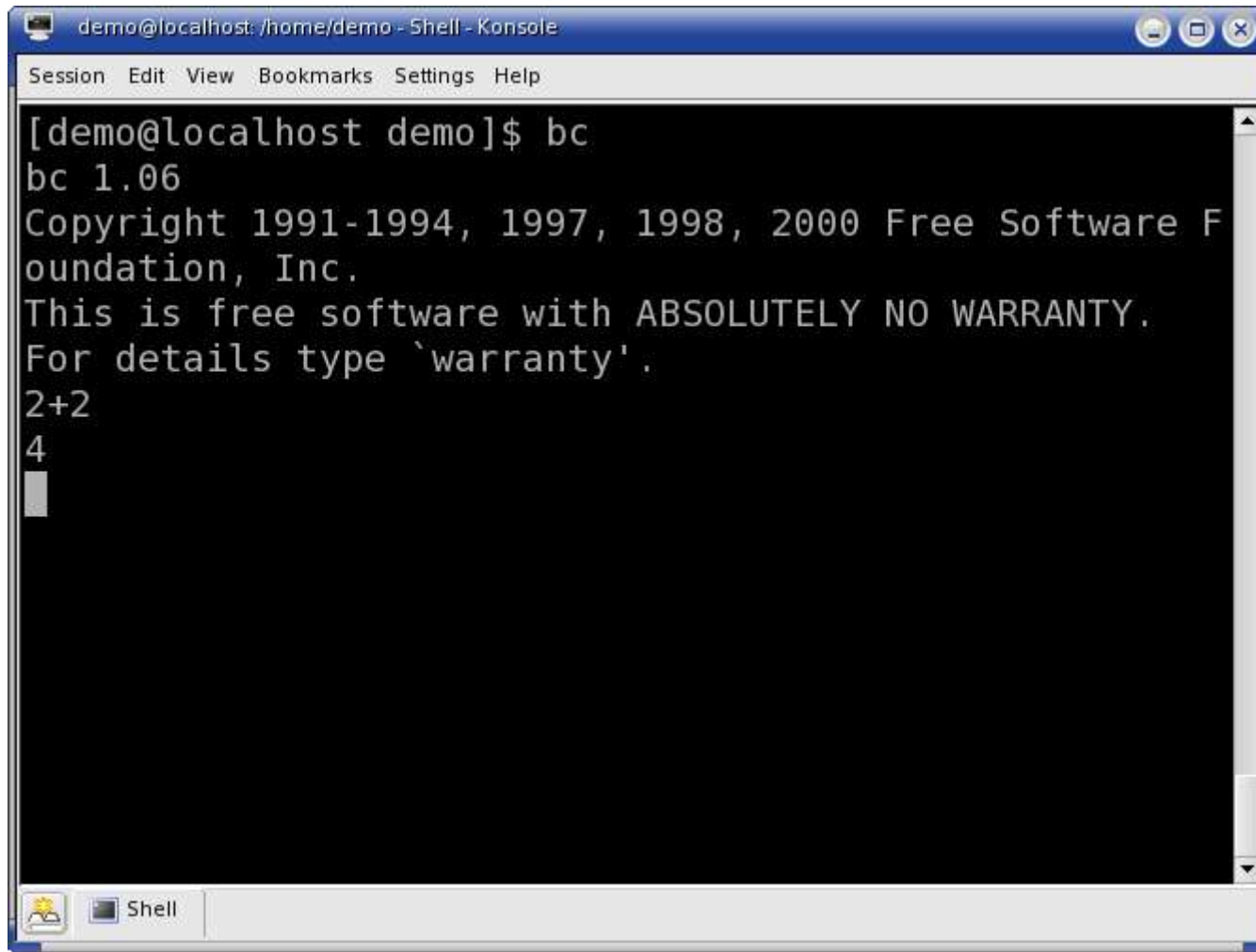- Linux kernel created and managed by Linus Torvalds

System Software

- "Rest of the OS" - programming utilities, basic commands
- GNU: GNU's Not Unix
- Richard Stallman/Free Software Foundation

Demo

X Window System

- a.k.a. "X"
- Indian name: *Talks To Video Hardware*

Window Manager

- Title bars/window decorations
- Move/resize windows
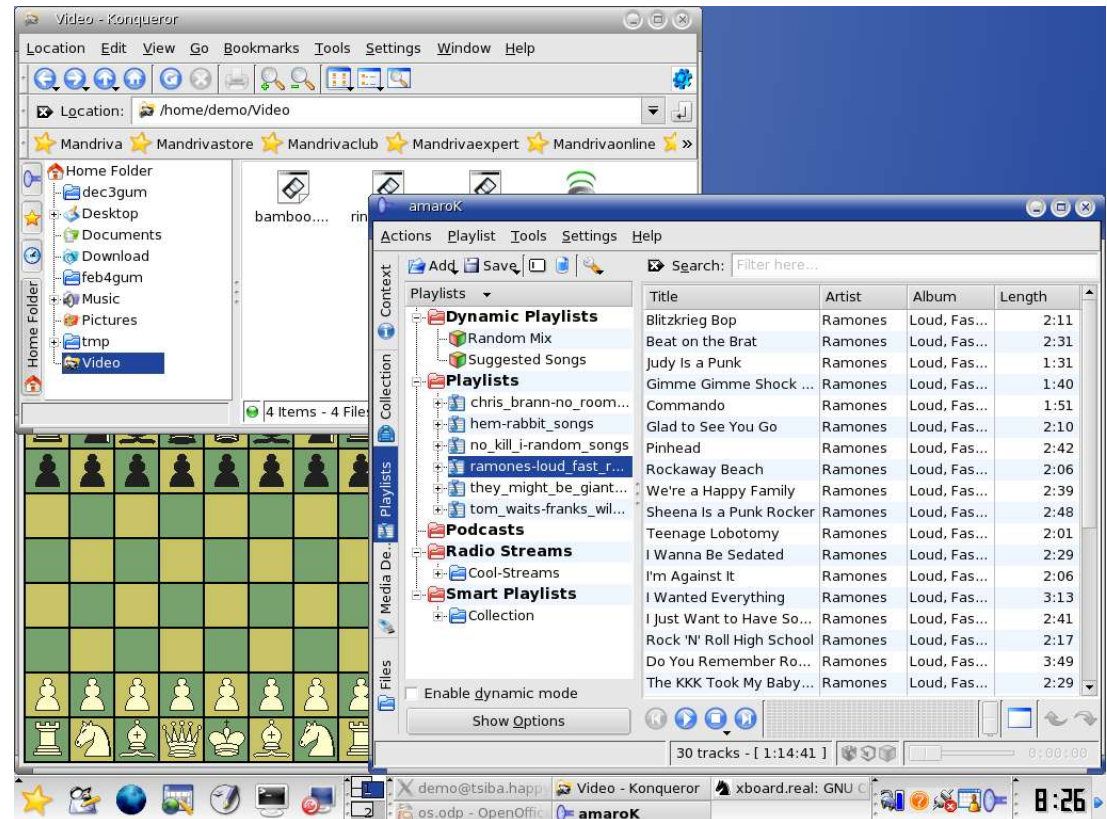- Application menu/taskbar

Desktop Environment

- Drag-and-drop
- Advanced cut-and-paste

- Most popular are KDE and GNOME

Demo

It's Modular

- Development
- Safety

Distributions

- Linux kernel + GNU utilities + X Window System + desktop environment + applications

- Red Hat
- SUSE/Novell
- Debian
- Mandriva

- Knoppix
- Ubuntu
- MEPIS