You must have a Fedora 7 boot CD to perform this tutorial – you can download the ISO from:
http://fedoraproject.org/get-fedora.html
• Linux is really only the *kernel* (interface between applications and computer hardware), not all the programs that come with Fedora

• The application programs used with Linux are separate, many developed independently

• Examples:
  – gcc (C compiler) developed for the GNU Project (GNU == “GNU Not UNIX”)
  – X-Windows (the “window interface”) developed by MIT Consortium in 1980’s

• Linux is *UNIX-like*: the interface between applications and the kernel is based on the UNIX API (application program interface)
The “all-powerful” user under Windows is Administrator or any user with admin privileges – An attacker wants “admin privileges.”

The “all-powerful” user under Linux is root – An attacker wants “root privileges.” – Only root has root privileges – no other users

Default Root “Shell” Prompt:

```bash
# } Important!
```
Boot to Linux

1. Insert the **Fedora** CD in your computer and boot from it.
   - Fedora is a “distro” (distribution) of Linux.
2. Select “Run from image” (the default)
3. When prompted for the user name, press <Enter>.
4. When fully booted, open a terminal window
   - Look under “Applications->System Tools->Terminal”
   - If you right click the mouse over the menu, you can add an icon to your desktop
5. The terminal window gives you a command line *shell*, which is used to execute programs and commands

**Use the up/down arrow keys to access previous commands!**
ERROR: ioerror

OFFENDING COMMAND: image

STACK:

ERROR: ioerror