CSE306 Software Quality in Practice

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the shell

What is the shell?
the shell

A shell is a command interpreter: a user's command line interface (CLI) to the operating system kernel.
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A shell is a command interpreter: a user's command line interface (CLI) to the operating system kernel.

Unix/Linux provide many shells:
- sh
- csh
- tcsh
- bash
- etc.
bash

We will explore bash:

Basic commands.
Bash scripting.

Good reference for bash:

bash manual page

www.tldp.org/HOWTO/Bash-Prog-Intro-HOWTO.html

bash

What basic commands do you know?
bash

What basic commands do you know?

ls
cd
pwd
pushd
ps
kill
Commands we discussed & demoed in lecture

- pwd
- cd
- ls
- mv
- rm
- cp
- cat
- pushd
- popd
- dirs
- man
- history
- !#

Tab completion

- up-arrow down-arrow moving through history
- redirection > (overwrite) >> (append) < (input redirection)
- pipe
- diff