CSE306 Software Quality in Practice

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the shell

What is 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

This is what students told me in Spring 2020.
Went on to do a demo of several bash commands (see recording)
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