

Command Line: Bash Scripting Workshop Handout

	1 cd data-shell/molecules/
	2 head -n 15 octane.pdb
	3 head -n 15 octane.pdb tail -n 5
make	4 vi middle.sh
script	5 head -n 15 octane.pdb tail -n 5
	6 bash middle.sh
argument	7 vi middle.sh
	8 head -n 15 \$1 tail -n 5
	9 bash middle.sh octane.pdb
	10 bash middle.sh "high octane.pdb"
quote your	11 vi middle.sh
variable	12 head -n 15 "\$1" tail -n 5
	13 bash middle.sh "high octane.pdb"
multiple	14 vi middle.sh
arguments	15 # Select lines from the middle of a file.
	16 # Usage: bash middle.sh filename end_line num_lines
	17 head -n "\$2" "\$1" tail -n "\$3"
	18 bash middle.sh pentane.pdb 15 5
	19 bash middle.sh pentane.pdb 20 5
loops	20 cd ../creatures
	21 vi list_creatures.sh
	22 for filename in basilisk.dat unicorn.dat
	23 do
	24 head -n 2 \$filename tail -n 1
	25 done
	26 bash list_creatures.sh

Expanding wildcard	27 cp *.dat original-*.dat
Processing	28 vi copy_files.sh
Files	29 for filename in *.dat
	30 do
	31 echo "\$filename"
	32 done
	33 bash copy_files.sh
	34 vi copy_files.sh
	35 for filename in *.dat
	36 do
	37 echo "cp \$filename original-\$filename"
	38 done
	39 bash copy_files.sh
Introduce \$@	40 vi copy_files.sh
	41 for filename in \$@
	42 do
	43 echo cp "\$filename" original-"\$filename"
	44 done
	45 bash copy_files.sh *.dat
Permission to execute and define shebang	46 ls -l copy_files.sh
	47 chmod +x copy_files.sh
	48 vi copy_files.sh
	49 #!/usr/bin/env bash
	50 for filename in \$@
	51 do
	52 echo cp "\$filename" original-"\$filename"
	53 done
	54 ./copy_files.sh *.dat