

UNIX REFERENCE CARD

Basic Commands	
Log out of system	logout
Exit current shell	^D or exit
Online Documentation	
See online manual page	man command
Search for a manual page	man -k keyword
See online info page	info command
Files	
List filenames	ls
hidden files	ls -a
file permissions	ls -l
group ownership	ls -g
Copy file	cp old new
Copy file to dirname	cp file dirname
Rename (move) file	mv old new
Remove (delete) file	rm file
FOREVER	
Append file1 to file2	cat file1 >> file2
Home directory	~
Home directory of user	~user
Change file permissions	chmod (ugo+-rwx) file
Find file in dir	find dir -name file
Wild cards	
Single character	?
Multiple characters	*
Range (a, b are single chars)	[a-b]
File Editors	
vi	vi file
emacs (open session)	emacs
pico	pico file
Using less	
View file	Less file
Next line	<return>
Next page	<space>
Search for pattern	/pattern
Next occurrence	n
Next file	:n
Help	:h
Quit	:q
Directories	
Make directory	mkdir dirname
Change directory	cd dirname
Remove directory	rmdir dirname
FOREVER	
See current directory name	pwd
Current directory	.
Parent of current directory	..
Root of file system	/
Printing	
Print file to default printer	lpr file
Print file to another printer	lpr -Pprinter file
View printer's queue	lpq -Pprinter
Remove print job number jn	lprm jn
Job & Process Control	
Run job j in the background	j &
List jobs	jobs
Connect to job number n	%n
List all processes for user	/bin/ps -u user
Kill process with id pid	kill -9 pid
Kill job with number n	kill -9 %n
Monitor processes	top
Application Modules	
List the modules you have	module list
List the available modules	module avail
Add the java module	module add java

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Input/Output Redirection (man csh)	
Standard output	> or >!
Append to standard output	>> or >>!
Standard input	<
Standard output and error	>&
Standard error separately	command > output >& errorfile
Output to a command	
Output & error to a cmdnd	!&
C Shell History	
Create history list of n items	set history=n
See history list	history
Repeat last command	!!
Display last command	!!:p
Execute previous command which starts with !str	!str
Command line n	!n
First argument of last cmdnd	!^
Last argument of last cmdnd	!\$
All arguments of last cmdnd	!*
Replace old with new in last command	^old^new
C Shell Customisation	
Create alias	alias l 'ls -l'
Show alias definition of l	alias l
Show aliases	Alias
Set environment variable	setenv var value
Set shell variable	set var=value
See variable's value	echo \${var}
Next occurrence	N
Next file	:n
Help	:h
Quit	:q
Directories	
Make directory	mkdir dirname
Change directory	Cd dirname
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List the available modules	module avail
Add the java module	module add java
Java related	
Compile Bank.java	javac Bank.java
Run Bank.class (has a Main)	java Bank
Other related commands – do command –help	javadoc, javah, javap
CORBA IDL to Java	idlj

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