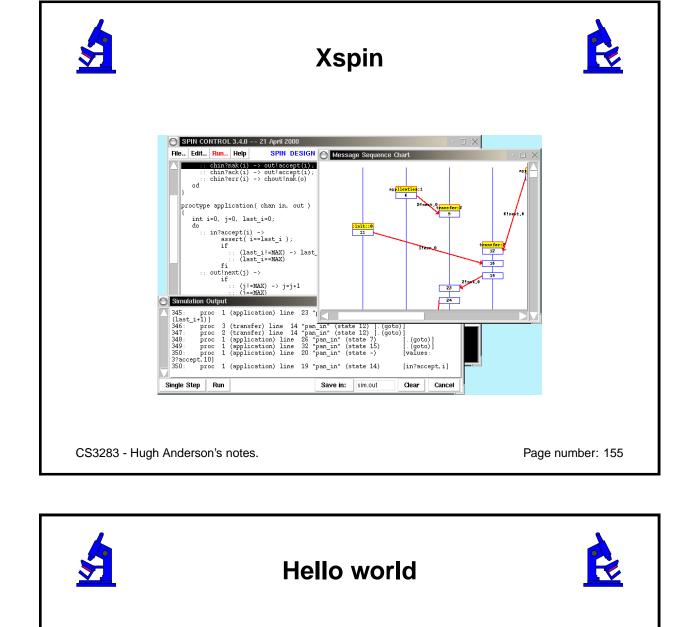


How not to!	
Don't use to the exclusion of other	languages!
✓ Good and bad	
Array lookup	
<ul> <li>Common to mix scripting and other lar</li> </ul>	nguages.
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manu> wish
wish> button .quit -text "Hello World!" command {exit}
.quit
wish> pack .quit
wish>

	I	n a script	
	CODE LISTING	HelloWorld.tcl	
	#!/usr/local/bin/wish8.1 -1	Ē	
	button .quit -text "Hello Wo pack .quit	rld!" -command { <b>exit</b> }	
CS3283	Hugh Anderson's notes.		Page number: 157

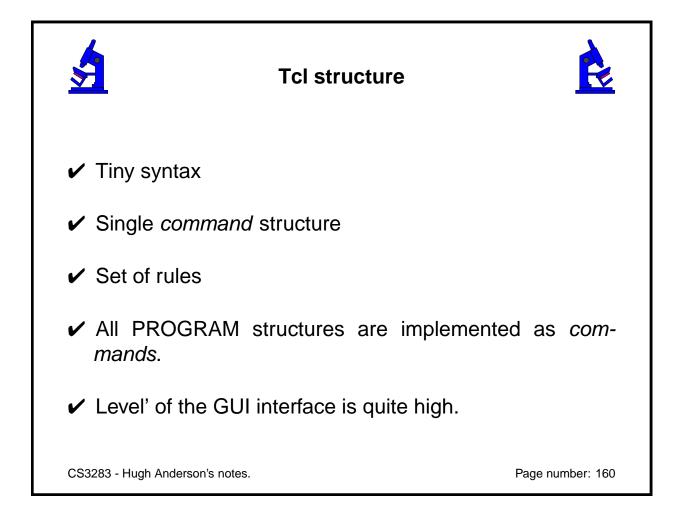
	Run it	È
	Hello World!	
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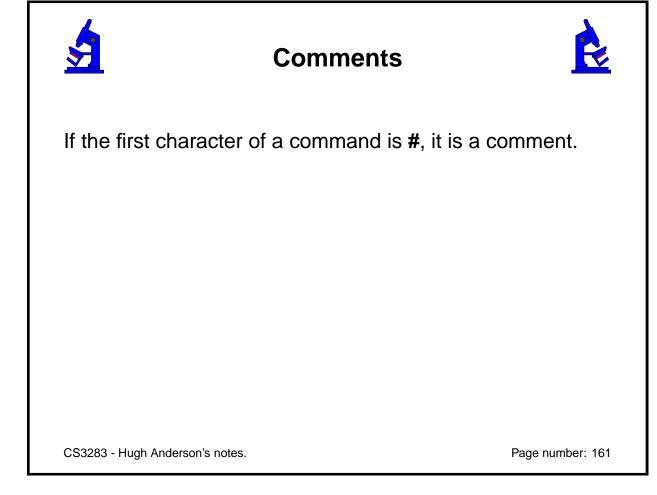


### Tcl first...then Tk



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	Commands	
	ands are just words separated by spa urn strings, and arguments are just fur	
	command argument argument command argument	
	ands are separated by a new line, or a sare indexed by text:	semicolon,
5	set a(a\ text\ index) 4	
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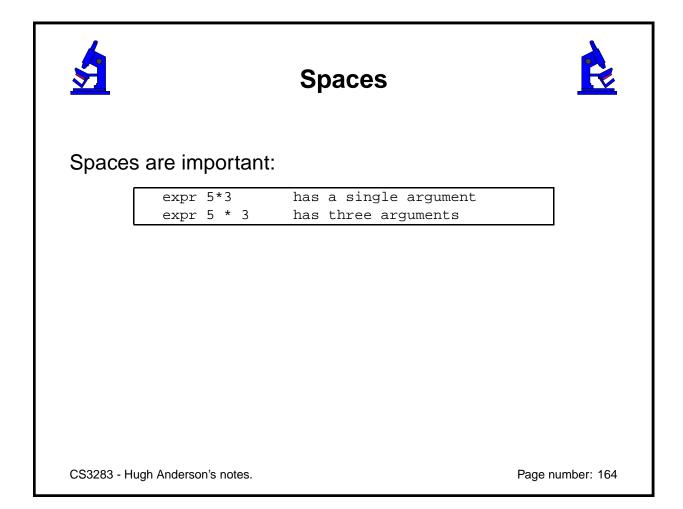


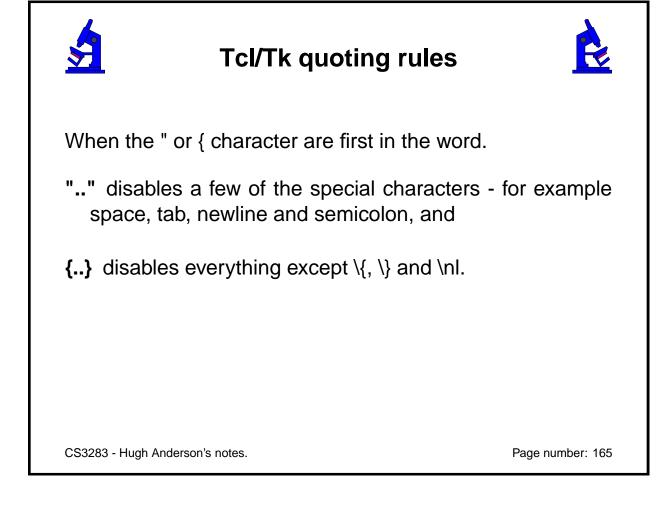
# **Command examples**



Procedures	File Access	Miscellaneous	
proc name {params} {body}	open <name></name>	source <nameoffile></nameoffile>	
	read <fileid></fileid>	global <varname></varname>	
	close <fileid></fileid>	catch <command/>	
	cd <directoryname></directoryname>	format <fmtstrng> <val></val></fmtstrng>	
		exec <process></process>	
		return <value></value>	

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	<b>Control structures</b>	
End up	looking very like 'C':	
	while {a==10} { set b [tst a] }	
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#### Command



The []'s are replaced by the value returned by executing the Tcl command 'doit'.

	interio					
	set	a [doit	paraml	param2]		
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Variable substitution			
The dollar sign performs the variable value substitution	on. Tcl		
variables are strings.			
set a 12b a will be "12b"			
set b 12\$a b will be "1212b"			
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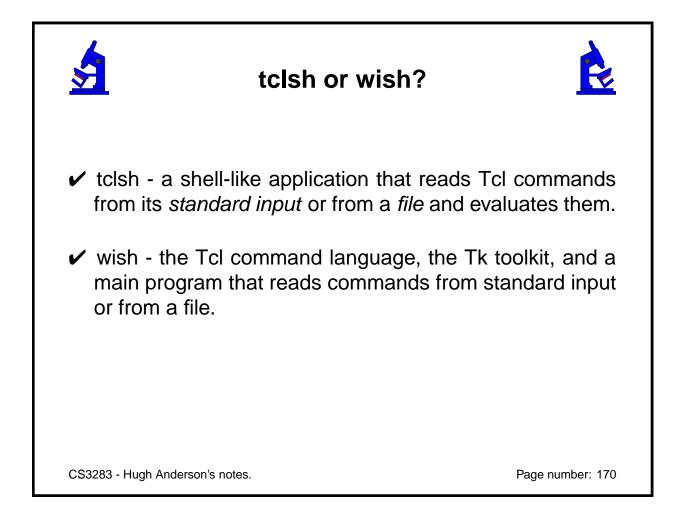
S	

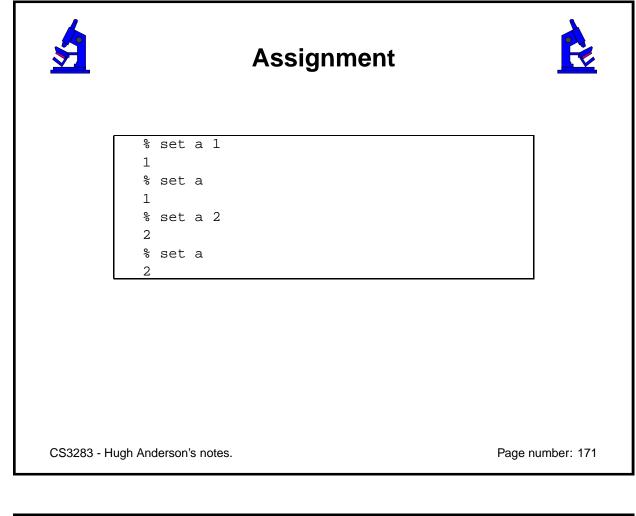
#### Backslash

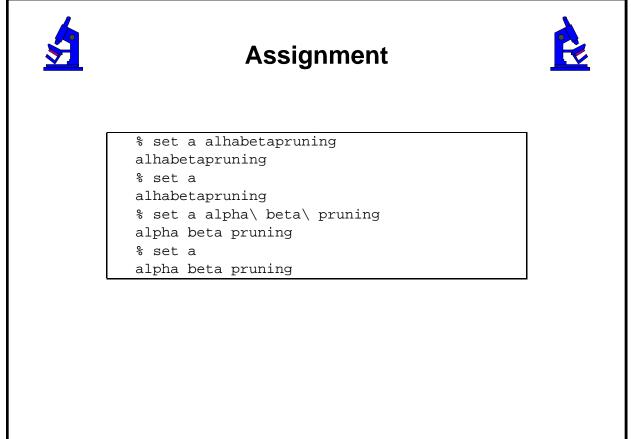


set a a\ string\ with\ spaces\ \
and\ a\ new\ line

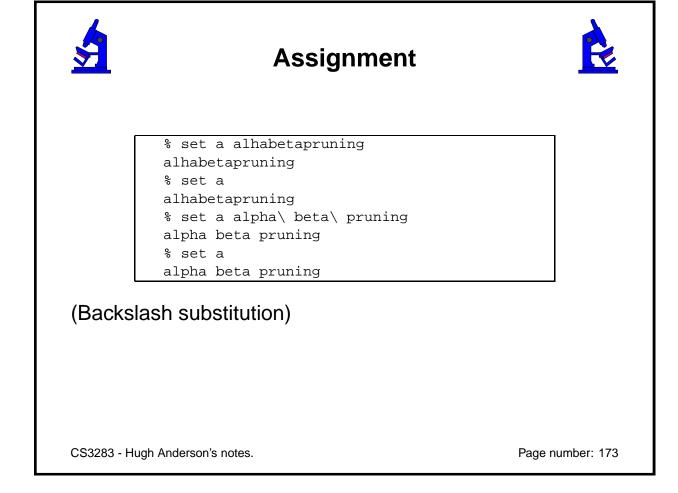
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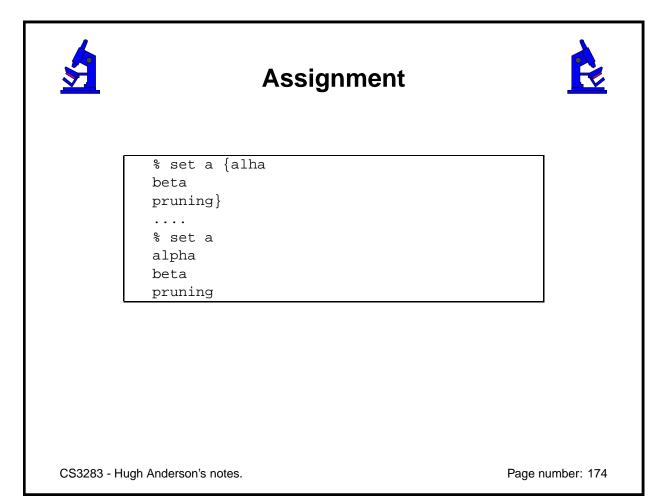






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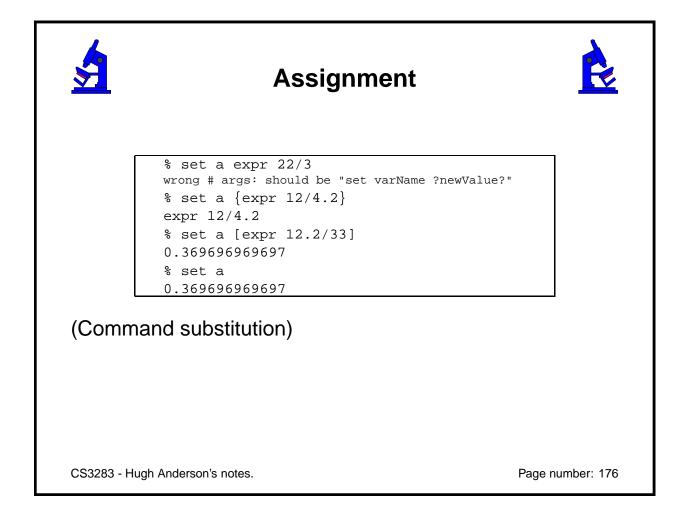


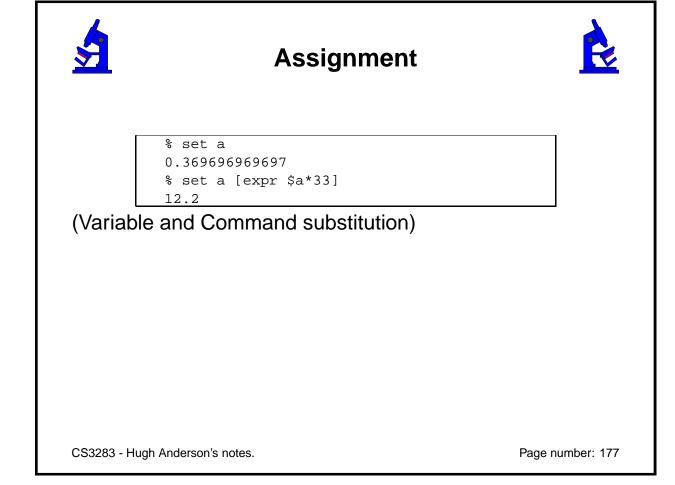
#### Assignment



% set a 22/3 22/3 % set a 22/3

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<b>K</b>	Assignment	
	<pre>% expr 1+2+3 6 % expr 1 + 2+3 6</pre>	
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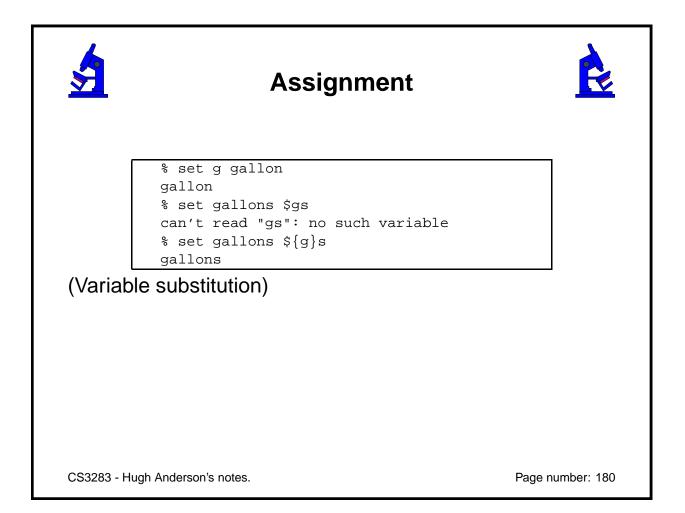


# **Assignment - increment**



% set a 10
10
% incr a
11
% set a
11

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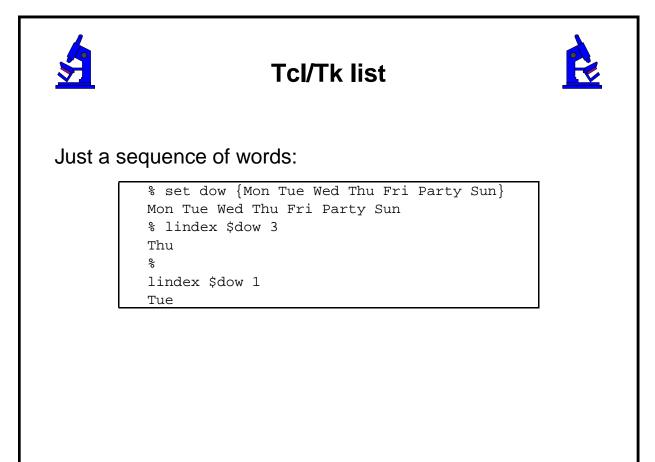
#### **Assignment - append**



% set a \${a}222
11222
% append a 333
11222333

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### Lists within lists

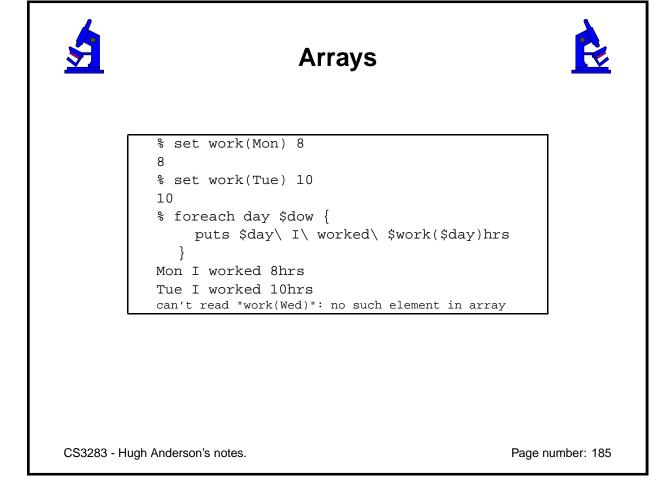


% set a {0 1 {2 x} {3 x y} 4} 0 1 {2 x} {3 x y} 4 % lindex \$a 3 3 x y

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	Arrays	
	% array size work 2 % array names work Tue Mon	
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