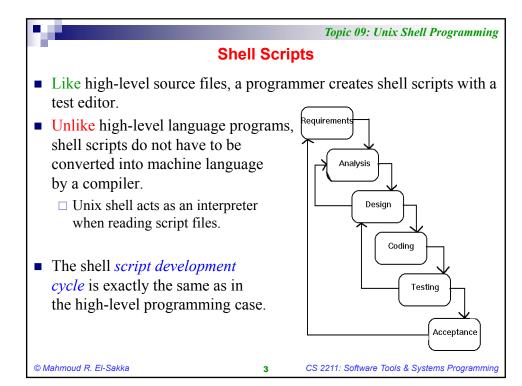


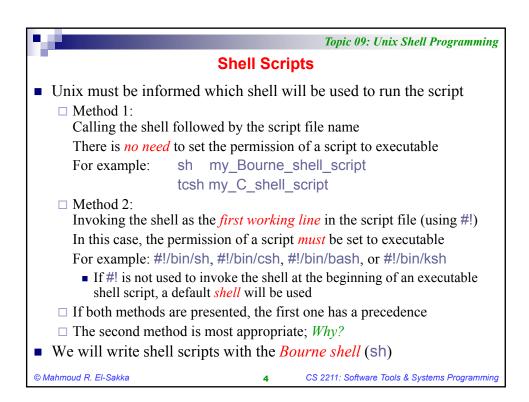
Shell Scripts A shall parint is a taut file that contains Units converged and

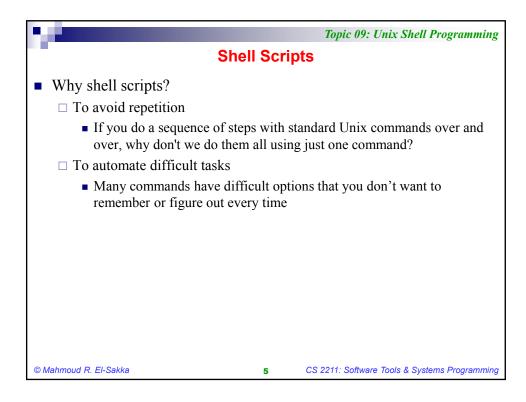
- A shell script is a text file that contains *Unix commands* and *flow control commands* to be executed by the shell
- It can be read and understood by humans and by machines
- Commands are executed
 - \Box in order as they appear in the file or
 - □ in the flow determined by control statements
- Different shells have different control structures

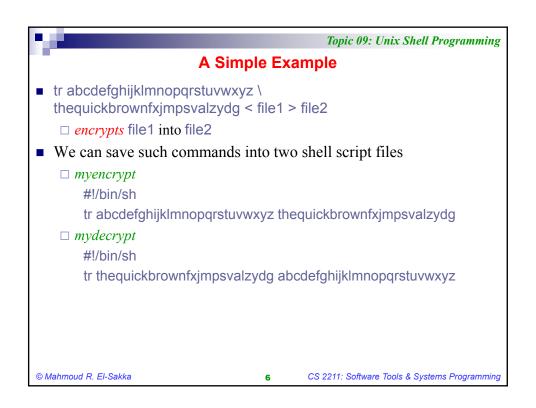
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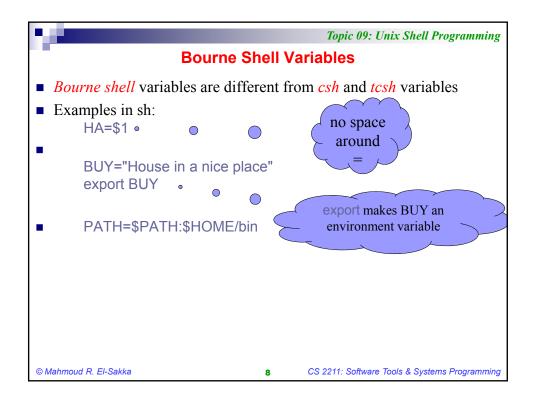








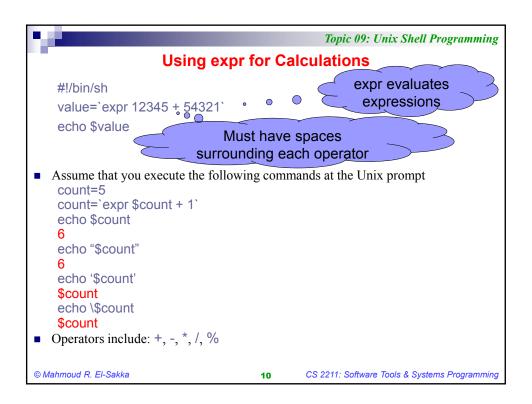
A Simple Example chmod of myencrypt and mydecrypt files to make them executable chmod u+x myencrypt mydecrypt Run them as normal commands ./myencrypt < file1 > file2 ./mydecrypt < file2 > file3 diff file1 file3 Homework: try to encrypt/decrypt text using the above commands



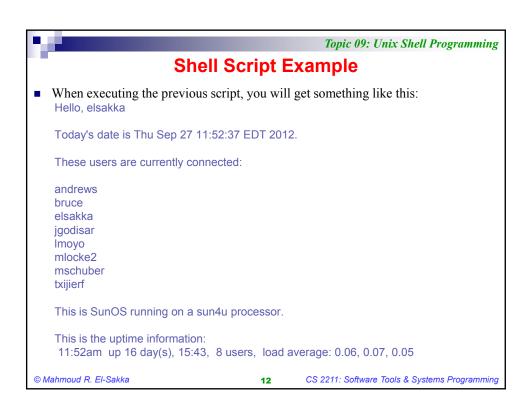
```
Assigning Command Output to a Variable

Using backquotes, we can assign the output of a command to a variable

#!/bin/sh
files=`ls`
echo $files
```



```
Topic 09: Unix Shell Programming
                        Shell Script Example
#!/bin/sh
clear
echo "Hello, $USER"
echo
echo "Today's date is `date`."
echo
echo "These users are currently connected:"
w | cut -d " " -f 1 | grep -vi user | sort -u
echo
echo "This is `uname -s` running on a `uname -m` processor."
echo
echo "This is the uptime information:"
uptime
echo
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                                       11
```



		Topic 09: Unix Shell Programming
Control Statements		
 Without control statement sequentially from one stat 	1	±
 In general, control statements programming language 	ents govern	the flow of execution in any
■ The most common types of	of control sta	itements are
☐ loop statements: for, whi	ile, and until	
□ conditionals: if/then/els	se, and case	
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		Topic 09: Unix Shell Programming		
for Loop				
 for loops allow the repetition of values Syntax: for variable in value1 value2. do command_set done Needs end-of-line or; separate 	Do end-o	Needs end-of-line or a; separator es not Need f-line separator		
command_set is executed with each value of variable in sequence (i.e., value1, value2,)				
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