1.	What is an operating system?	1/1 point
	The software that manages computer hardware and resources	
	O The collection of files and programs that a user interacts with on a computer system	
	The process of running multiple instances of a program on a computer system	
	The physical components of a computer system, such as the keyboard, mouse, and monitor	
	Correct Correct! An operating system is a software that manages a computer's hardware and its resources It enables interaction with hardware to perform useful tasks.	
2.	Which layer of the Linux system is the core component of the operating system and responsible for processing, and security management?	memory,
C) Kernel	

3.	Which shell command can you use to change the current working directory to your home directory?	1/1 point
	O cd!	
	O cd/	
	⑥ cd ~	
	O cd	
	Correct Correct! The tilde (~) is a shortcut for specifying the path to your home directory.	
4.	What command do you use to open a text file using nano?	1/1 point
	nano txt filename.txt	
	O nano open filename.txt	
	O open nano filename.txt	
	nano filename.txt	
	○ Correct Correct! The nano command is used with the file name to open a text file.	
5.	Which shell command can you use to display information about mounted file systems?	1/1 point
	df	
	O head	
	O cat	
	O ps	
	 Correct Correct! The df command is a common shell command that displays information about mounted file systems. 	

6.	You can use the touch command for which of the following purposes?	1/1 point
	To create a new file	
	O To change a file's permissions	
	O To add a string to a file	
	O To display a file's contents	
	Correct Correct! You can use the touch command to create a new file or update an existing file's timestamp.	
7.	Assume you run the command wc contract.txt and receive the following output: 40 185 1302 contract.txt	1/1 point
	What does the number "40" indicate about contract.txt?	
	O Number of words	
	O Number of spaces	
	Number of lines	
	O Number of characters	
	Correct Correct! The wc command will return, in order, the number of lines, words, and characters in a file. In this example, the output of wc document.txt indicates that contract.txt contains 40 lines, 185 words, and 1,302 characters.	

8.	Which command prints all lines and line numbers from the file login.txt that contain the word "password"?	1/1 point		
	O tail -l password login.txt			
	grep -n password login.txt			
	O uniq -c password login.txt			
	O paste -i password login.txt			
	Correct Correct! The grep command allows you to specify a pattern and search for lines from the input text that contain a match to the pattern. Add the -n option to the command to also output the line number for each line that contains the pattern.			
9.	What does the ifconfig command do?	1 / 1 point		
	Transfers data to or from a server			
	O Sends Internet Control Message Protocol requests to a server			
	O Shows or sets the system's host name			
	Displays information on all the system's network devices			
	Correct Correct! The ifconfig command stands for Interface configuration. It displays information regarding all your device's communication devices.			
10.	Which command extracts files from a tar ball archive named tmp.tar?	1 / 1 point		
	○ tar-ca tmp.tar			
	tar -vq tmp.tar			
	tar -xf tmp.tar			
	tar -tn tmp.tar			
	○ Correct Correct! You can use the tar command with the -x option to extract files from an archive.			
11. Which of the following is a list of commands that can be interpreted and run by a progra				

12.	Assume a variable named therm. Which command will display the value of the therm variable?	1 / 1 point	
	o echo=therm		
	echo Stherm		
	echo therm		
	echo=\$therm		
	Correct Correct! To print a line of text, use the echo command. To print the value of a variable in a command, put a dollar sign (\$) before the variable name and do not put a space between the two.		
13.	Assume you have a file named grocerylist.txt. In the terminal, you want to print only the first 10 lines of the file, and you want to sort these 10 lines alphabetically. Which of the following Bash inputs should you use?	1/1 point	
	osort grocerylist.txt head		
	head grocerylist.txt sort		
	head grocerylist.txt \\> sort		
	sort grocerylist.txt \\> head		
	○ Correct Correct! The head command prints the first 10 lines of a file. The sort command prints each line of a file; by default, the sort command will print each line in alphabetical order. In this example, first use the head command on grocerylist.txt. Next, use the pipe operator () followed by the sort command to sort the output from head grocerylist.txt alphabetically.		
14	4. Which input can you use to run the pwd command and Is command in pwd & Is	parallel?	
15.	Which cron command removes the current crontab?		1/1
	crontab -r		
	○ crontab -u		
	O crontab -l		
	O crontab -e		
	✓ Correct Correct! Entering crontab -r on the command line removes the current crontab.ntering cro command line lists all the scheduled jobs in the current crontab.	ntab -l on the	