## What is an Operating System?

Total points 7

1	. What are the two main parts that make up an operating system?	1/1 point
	O Users and Software	
	○ Kernel and Packages	
	Windows and Mac	
	Kernel and Userspace	
	○ Correct Wohoo! The two parts that make up an operating system are the kernel and the user space.	
2.	What are the main components of file management? Check all that apply.	1 / 1 point
	□ NTFS	
	✓ File data	
	Correct You got it! The main components of file management are the storage of data, the file metadata, and the filesystem.	
	✓ File system	
	Correct You got it! The main components of file management are the storage of data, the file metadata, and the filesystem.	
	✓ Metadata	
	Correct You got it! The main components of file management are the storage of data, the file metadata, and the filesystem.	

, Which of these are true? Check all that apply.
A program is an application that we can run. A process is a program that is executed.
Correct Great job! A program is an application, and a process is an application that is executed. You can have many processes running for the same program.
A program is a process that is executed. A process is a program that we can run.
A program is initially stored in RAM. A process is initially stored in the hard drive.
You can have many processes running for one program.
Correct Great job! A program is an application, and a process is an application that is executed. You can have many processes running for the same program.

1/1 point

4.	What are the characteristics of virtual memory? Check all that apply.	0.75 / 1 point
	Stores pages that are currently not in use by physical memory.	
	Correct Excellent job! Virtual memory allows us to extend the physical memory on our machine.	
	Allows our computer to have more memory than it physically has.	
	Correct Excellent job! Virtual memory allows us to extend the physical memory on our machine.	
	Combination of RAM and hard drive space.	
	Correct     Excellent job! Virtual memory allows us to extend the physical memory on our machine.	
	✓ It is where we store pages that are being executed	
	This should not be selected     Virtual memory stores pages that aren't being used by the system.	
6.	Which of these are considered I/O devices? Check all that apply.	0.75 / 1 point
	✓ Speakers	
	© Correct Excellent job! Any devices that receive input or send out output are considered I/O devices.	
	✓ Monitors	
	Correct Excellent job! Any devices that receive input or send out output are considered I/O devices.	
	✓ Web cams	
	Correct Excellent job! Any devices that receive input or send out output are considered I/O devices.	
	Hard disk drives	

7.	What is the last step in booting a computer?	1/1 point
	O Load up drivers.	
	User space is launched.	
	C Execute the bootloader.	
	O Perform a POST.	
	Correct Well done, you! The last step in booting a computer is launching the user space, like a login window, GUI, and more.	
1	True or false: If you have a 32-bit CPU architecture, it's recommended to use a 64-bit operating system.	1/1 point
	O TRUE	
	● FALSE	
	Correct Nice work! To have better compatibility with your OS and CPU, you should be using the same CPU and OS architecture.	
2.	If you want to boot into a USB drive, how do you change your boot settings?	1/1 point
	Wipe the computer.	
	O Login to the machine.	
	Replace the CPU.	
	Go into the BIOS settings and change the boot settings	
	Correct Right on! To change any boot settings, you'll need to modify your BIOS settings before the computer loads up the operating system.	

1/1 point
1 / 1 point