## Congratulations! You passed!

**Grade received 100%** To pass 80% or higher

Go to next item

1.	Which of the following will let code run until a certain line of code is executed?	1/1 point
	Breakpoints	
	O Watchpoints	
	O Backtrace	
	O Pointers	
	<ul> <li>✓ Correct</li> <li>Way to go! Breakpoints let code run until a certain line of code is executed.</li> </ul>	
2.	Which of the following is NOT likely to cause a segmentation fault?	1/1 point
	O Wild pointers	
	Reading past the end of an array	
	O Stack overflow	
	RAM replacement	
	Correct Right on! Segmentation fault is not commonly caused by a new RAM card in the system.	
3.	A common error worth keeping in mind happens often when iterating through arrays or other collections, and is often fixed by changing the <i>less than or equal</i> sign in our <i>for loop</i> to be a strictly <i>less than</i> sign. What is this common error known as?	1 / 1 point
	O Segmentation fault	
	O backtrace	
	The No such file or directory error	
	Off-by-one error	
	Correct  Nice work! The Off-by-one bug, often abbreviated as OB1, frequently happens in computer programming when an iterative process iterates one time too many or too little.	
4.	A very common method of debugging is to add print statements to our code that display information, such as contents of variables, custom error statements, or return values of functions. What is this type of debugging called?	1/1 point
	O Backtracking	
	O Log review	
	Printf debugging	
	Assertion debugging	
	Correct  Excellent! Printf debugging originated in name with using the printf() command in C++ to display debug information, and the name stuck. This type of debugging is useful in all languages.	
5.	When a process crashes, the operating system may generate a file containing information about the state of the process in memory to help the developer debug the program later. What are these files called?	1/1 point
	O Log files	
	Core files	
	Metadata file	
	O Cache file	
	<ul> <li>✓ Correct</li> <li>Right on! Core files (or core dump files) record an image and status of a running process, and can be used to determine the cause of a crash.</li> </ul>	