Practice Quiz: Code that Crashes

TOTAL POINTS 5

- 1. Which of the following will let code run until a certain line of code is executed?
 - Breakpoints
 - Watchpoints
 - Backtrace
 - Opointers

✓ Correct

Way to go! Breakpoints let code run until a certain line of code is executed.

1/1 point

Which of the following is NOT likely to cause a segmentation fault?
○ 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.

1/1 point

3. A common error worth keeping in mind happens often when iterating through arrays or other collections, and is often fixed by changing the *less than or equal* sign in our *for loop* to be a strictly *less than* sign. What is this common error known as?

Segmentation fault

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.

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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?

) Log review

Backtracking

) 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.

7