Kamille Delgardo
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Wendy Roberts
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###Random Testing Quiz

The <code>testme()</code> function works by maintaining an internal state variable which must reach 9 followed by the string "reset" before it will exit. The state variable starts at zero and is incremented by one when the state-th (zero-eth, first, second, etc.) character in the pattern "[({ ax})]" is detected.

In order to test that state would increment as expected, I utilized the fact that ASCII characters are identifiable by their decimal value. I used rand() to find a random value between 0 and 127 (every valid ASCII char).

In order to get the program to exit() I followed the same pattern but instead of returning the char, used it to build up a word of length 5, then returned it as the string to test against "reset".

The time to increment the state variable was negligible, but the time to build a five-letter word out of 26 lowercase letters was considerably greater.