Answers and Solutions

Exam #2 ~ Multiple Choice

1. B	11. C	21. A	31. C
2. C	12. A	22. A	32. C
3. D	13. C	23. B	33. B
4. C	14. D	24. E	34. E
5. B	15. D	25. E	35. A
6. C	16. B	26. D	36. C
7. A	17. D	27. E	37. D
8. E	18. C	28. D	38. B
9. A	19. E	29. C	39. E
10. E	20. D	30. B	40. E

Notes:

1. "`&& z`" in Choice B gives it away.

2. Take, for instance, `a` = 2 and `b` = 1. The given expression evaluates to 4 because 3/2 is truncated to 1. The expression in Choice A gives 5. The expression in Choice B gives 2, because 1/2 is truncated to 0. The expression in Choice C gives `2 + 2*(1) = 4`, and, in general, is equivalent to the given expression.

3. `\\` represents one backslash; `\"` represents a quotation mark; `substring(1)` gets rid of the leading backslash.

4. `a` and `b` are references to the same array; `c` is a reference to a different array with the same values as the initial values in `a`. When `a` changes, `c` remains unchanged.

5. `s.substring(1, 4)` is `"LAS"`; index of `"A"` in it is 1.

6. The code adds 2, 4, 8, 16, and 32 to the elements of `v`, respectively. `v[4]`, the last element, becomes 33.

7. `b = fun2(a, b)` sets `b` to 4, `a` remains 3 (because `a` and `b` are passed to `fun2` by value); then `a = fun2(b, a)` sets `a` to -1, `b` remains 4.

8. The last thing `splat("**")` does is display `"**"`, which eliminates Choices B and C.
   `splat("**")` calls `splat("****")`, then prints `**`.
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   `splat("********")` prints `********`.