

Computer Science Answer Key

UIL UTCS Open 2012

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

Notes:

The clause "Choose the most restrictive correct answer." is necessary because per the formal definition of Big O, an algorithm that is $O(N^2)$ is also $O(N^3)$, $O(N^4)$, and so forth.

28. `this` is undefined in static methods. `this` refers to the object that called or invoked the method, but static methods have no calling object.

32. Failure to initialize the variable `b` is the syntax error.

39. The stack is not emptied because the size is decreasing as the loop control variable `i` is increasing.