1. When a main console command is left without pressing the ENTER or RETURN key on some systems, all system messages which would normally appear on the console (e.g., notifications of logons, logoffs, and special requests to the operator) are stored in one of 16 system buffers. When all 16 system buffers are filled, the system cannot complete processes requiring use of additional system buffers, so the processes hang. Such errors are best described as ___

2. Comparing RAD with the SDLC, which of the following assertions is/are true?

3. The primary metric for measuring software quality is the degree to which a system, component or process ___

4. Which of the following problems most often accounts for a calculation error in a program?

5. Which of the following is/are (a) recommendations for secure coding?

6. How should one handle initialization of variables to prevent initialization errors?

7. Which of the following is/are (a) recommendation for secure coding?

8. Every now and then, a program locks up two entirely separate users who happen to be accessing the same inventory item. Usually the users do fine – the lockup just occurs occasionally. Such an error is most likely due to ___

9. A test procedure is based on extensive, detailed knowledge of the internal structure of the program under test. We call this kind of testing ___

10. In discussing software quality assurance, the SDLC refers to the ___

11. In which phase(s) of the programming cycle should quality assurance and testing be integrated?

12. In general, waiting until the next phase of the software-development cycle to identify and fix problems…

13. Which of the following is NOT a goal of software quality assurance?

14. Why should management integrate security into their performance metrics for software engineers and software?

15. What is an _easter egg_ in discussions of secure coding?

16. A program works fine during testing involving 100 input processes but fails miserably in meeting quality-of-service guarantees when used by 10,000 real users. What is the term for such a problem?

17. A programmer forgets to limit the length of an input field and allows SQL injection to take place. This error is an example of a ___

18. A program that is executing code for the data entry phase suddenly begins executing code associated with a completely different module such as the disk cleanup phase. Such an error is most likely due to ___

19. If a program consistently fails only the first time the program is run by each user but works fine thereafter for that user, the error is most likely due to ___

20. Which of the following symptoms is classified as a race condition?

21. Which of the following is/are (a) recommended approach(es) to reducing software errors?

22. Testing a program or module without knowledge of its internal design is known as ___

23. Why do many observers claim that software-development teams are often under pressure from management?

24. Which of the following is/are (an) implementation(s) of secure operating systems?

25. Which of the following test techniques is recommended for identifying possible buffer overflows?

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