

4. What is *preemption* and why is it necessary to properly support multitasking?

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Score

/ 1

5. If the modular architecture and micro-kernel approaches both split the operating system in smaller modules, what is the benefit of the micro-kernel architecture over the modular structure?

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Score

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6. Is it possible for a context switch to occur without a mode switch? Support your answer with a logical explanation.

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Score

/ 2

7. List the three *types* of traps that can interrupt the normal execution of a program?

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Score

/ 2