

Is Recursion Always Good? - C Tutorial In Hindi #29.mp4 - VLC media player

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## RECURSION TREE

*Quick Quiz -*  
 $\text{fib}(22)$   
 $\text{fib}(19)$

09:20

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## IN A NUT SHELL

- ✓ Recursion is a good approach when it comes to problem solving
- ✓ However, programmer needs to evaluate the need and impact of using recursive/iterative approach while solving a particular problem
- ✓ In case of factorial calculation, recursion saved a lot of lines of code.
- ✓ However in case of Fibonacci series, recursion resulted in some extra unnecessary function calls which was an extra overhead!
- Running time for Fibonacci series grows exponentially with input in case of recursive approach!

09:37

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