

# Finger Exercises Lecture 22

The questions below are due on Wednesday November 30, 2022; 03:00:00 PM.

## 1) Question 1 of 3

Simplify  $n \cdot n + \log(n) + 2^{**}a$  to determine  $\theta$  in terms of  $n$ .

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*You have infinitely many submissions remaining.*

Solution:  $\theta(n^{**2})$

## 2) Question 2 of 3

Simplify  $2^{**}n + n \cdot \log(n) + n^{**2}$  to determine  $\theta$  in terms of  $n$ .

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*You have infinitely many submissions remaining.*

Solution:  $\theta(2^{**}n)$

## 3) Question 3 of 3

Simplify  $f \cdot \log(f) + 100000 + 300 \cdot a + x \cdot y \cdot z$  the following to determine  $\theta$  in terms of  $n$ .

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*You have infinitely many submissions remaining.*

Solution:  $\theta(1)$

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6.100L Introduction to CS and Programming Using Python  
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