Course is completed. The course result can no longer be changed.

Algorithm Analysis

Quiz

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Now, it's time for a short quiz to recap what you've learned. The quiz is **graded**, so you can take it only once. Each question will be followed by feedback explaining why your answer is right or wrong. If your answer is incorrect, you will see a suggestion of what you might need to refresh your memory.

Good luck!

Read the question below and select the correct answer. Then, click "Submit."

Which statement below best describes an algorithm with a time complexity of $O(n)$, where n is the number of input elements?

- ( ) It does a single task up to a fixed number of times.
- ( ) It "touches" all pairs of input items.
- (•) It "touches" each element in the input.

✔

Correct: Wonderful!

Submit You have used 1 of 1 attempt

*Read the question below and select **all** the answers that are correct. Then, click "Submit."*

Which THREE of the following types of time complexity analysis are often considered when analyzing algorithms?

- [x] Best case
- [ ] Correct case
- [ ] Bad case
- [ ] Slow case
- [x] Average case
- [x] Worst case
- [ ] Median case

✔

Correct: Great job!

Submit You have used 1 of 1 attempt