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NORTH AMERICAN
UNIVERSITY
INSPIRATION INNOVATION GLOBAL COMPETENCE

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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 20
February - 26 February > Homework 6 (Slides: Ch4 - Part 1)

Started on Wednesday, 22 February 2017, 4:15 PM**State** Finished**Completed on** Wednesday, 22 February 2017, 4:19 PM**Time taken** 3 mins 50 secs**Marks** 4.00/4.00**Grade** **100.00** out of 100.00**Question 1**

Correct

Mark 1.00 out of 1.00

A lexical analyzer is a pattern matcher.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 2

Correct

Mark 1.00 out of 1.00

Parsing algorithms that work for any unambiguous grammar are complicated and inefficient. The complexity of those algorithms is _____.

Select one:

- ☒ a. $O(N^3)$ ✓
- ☐ b. $O(N)$
- ☐ c. $O(\log N)$
- ☐ d. $O(N^2)$

Your answer is correct.

The correct answer is: $O(N^3)$

Question 3

Correct

Mark 1.00 out of 1.00

A recursive-descent parser is a coded version of a syntax analyzer based directly on the BNF description of the syntax of language.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Syntax analysis is often called parsing.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.