

<http://www.na.edu>

E-mail: moodle@na.edu



**NORTH AMERICAN  
UNIVERSITY**  
INSPIRATION INNOVATION GLOBAL COMPETENCE



Islam Kamilov ▾



Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 13  
February - 19 February > Homework 5

**Started on** Monday, 13 February 2017, 2:47 PM**State** Finished**Completed on** Monday, 13 February 2017, 2:53 PM**Time taken** 5 mins 31 secs**Marks** 4.00/5.00**Grade** 80.00 out of 100.00**Question 1**

Correct

Mark 1.00 out of 1.00

The static semantics of a language deals with the syntax rather than semantics.

Select one:

- ☒ True ✓
- ☐ False

True

The correct answer is 'True'.

**Question 2**

Correct

Mark 1.00 out of 1.00

Type compatibility can be checked in context-free grammars.

Select one:

- ☐ True
- ☒ False ✓

Attribute grammar can check type compatibility.

The correct answer is 'False'.

**Question 3**

Correct

Mark 1.00 out of 1.00

For which one of the following we do not need attribute grammars?

Select one:

- ☐ a. To find intrinsic attributes
- ☐ b. To find synthesized attributes
- ☒ c. To check ambiguity ✓
- ☐ d. To find inherited attributes

Your answer is correct.

The correct answer is: To check ambiguity

**Question 4**

Correct

Mark 1.00 out of 1.00

What does the following attribute grammar mean:

Syntax rule: `<fun_def> → function <fun_name>[1]`

`<fun_body> end <fun_name>[2];`

Predicate: `<fun_name>[1].string == <fun_name>[2].string`

Select one:

- ☐ a. Functions should have two variables
- ☐ b. Functions cannot be defined without variables
- ☐ c. Syntax rule should come before predicate rule when writing in that programming language
- ☒ d. The name on the end of a function must match the functions name ✓

Your answer is correct.

The correct answer is: The name on the end of a function must match the functions name


**Question 5**

Incorrect

Mark 0.00 out of 1.00

A(n) \_\_\_\_\_ is a device used to describe more of the structure of a programming language than can be described with a context-free- grammar.

Select one:

- ☐ a. static semantics
- ☒ b. Extended BNF 
- ☐ c. recognizer
- ☐ d. attribute grammar

Your answer is incorrect.

The correct answer is: attribute grammar