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E-mail: moodle@na.edu







Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 6 February - 12 February > Homework 4

Started on	Monday, 6 February 2017, 3:00 PM
State	Finished
Completed on	Monday, 6 February 2017, 3:10 PM
Time taken	10 mins
Marks	6.50/7.00
Grade	92.86 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

The following grammar cannot produce?

$$<$$
assign $> \rightarrow <$ id $> = <$ expr $>$

$$\langle id \rangle \rightarrow A \mid B \mid C$$

| <term>

| <factor>

$$<$$
factor $> \rightarrow (<$ expr $>)$

| <id>

Select one:

$$\circ$$
 c. A = (A+B) * C

Your answer is correct.

The correct answer is: A = (A+B) * 3

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A metalanguage is a language that is used to describe another language. BNF is a metalanguage for programming languages.

Select one:

True

False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

In the following grammar we can say that:

$$<$$
assign $> \rightarrow <$ id $> = <$ expr $>$

$$\langle id \rangle \rightarrow A \mid B \mid C$$

| <term>

| <factor>

| <id>

Select one:

- a. * has precedence over +
- b. we cannot say anything about their precedence
- c. + and * have same precedence
- d. + has precedence over *

Your answer is correct.

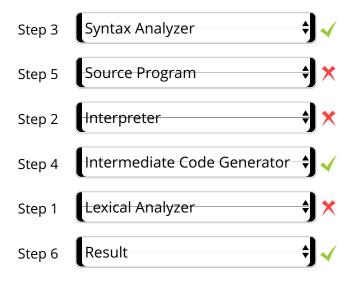
The correct answer is: * has precedence over +

Question 4	Correct	Mark 1.00 out of 1.00		
A grammar that generates a sentential form for which there are two or more distinct parse trees is said to be				
Select one:				
a. unambigio	ous			
b. ambiguou	S 🎺			
c. flexible				
od. readable				
Your answer is corre	ct.			
The correct answer i	s: ambiguo	us		
Question 5	Correct	Mark 1.00 out of 1.00		
		Mark 1.00 out of 1.00 achieved in grammars.		
Operator preceden				
Operator preceden	ce can be			
Operator preceden Select one: a. token	ce can be			
Operator preceden Select one: a. token b. ambiguou	ce can be			
Operator preceden Select one: a. token b. ambiguou c. BNF	ce can be			

Ques	stion 6	Correct	Mark 1.00 out of 1.00		
Why should we study programming languages?					
Selec	t one:				
\circ	a. To be able to learn new languages more efficiently				
\circ	b. To be able to select languages more effectively				
\circ	c. To increase our capacity to use different constructs				
•	d. All of them 🗸				
Your answer is correct.					
The correct answer is: All of them					

Question 7 Partially correct Mark 0.50 out of 1.00

Please match the steps for Hybrid Implementation process.



Your answer is partially correct.

You have correctly selected 3.

The correct answer is: Step 3 \rightarrow Syntax Analyzer, Step 5 \rightarrow Interpreter, Step 2 \rightarrow Lexical Analyzer, Step 4 \rightarrow Intermediate Code Generator, Step 1 \rightarrow Source Program, Step 6 \rightarrow Result