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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 16 January - 22 January > Homework 1

Started on	Thursday, 19 January 2017, 2:56 PM
State	Finished
Completed on	Thursday, 19 January 2017, 3:06 PM
Time taken	10 mins 1 sec
Marks	3.00/5.00
Grade	<b>60.00</b> out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

JIT (Just-in-Time) compilers are widely used for Java programs.

### Select one:



**False** 

The correct answer is 'True'.

|--|

Which language used orthogonality as a primary design criterion?

Selec	t one:
$\bigcirc$	a. JAVA
$\circ$	b. FORTRAN
$\circ$	c. ALGOL
0	d. LISP 💢
0	e. Python

Your answer is incorrect.

The correct answer is: ALGOL

Question 3	Correct	Mark 1.00 out of 1.00	
------------	---------	-----------------------	--

What is the legendary programming language that is especially used for business purposes?

Select one:

- a. AWK
- o b. Algol
- o. Pascal
- d. Fortran
- e. Cobol ✓

Your answer is correct.

The correct answer is: Cobol

Ques	tion 4	Correct	Mark 1.00 out of 1.00
What	t is the legend	ary progra	mming language that is especially used for Al?
Selec	t one:		
$\circ$	a. Pascal		
$\circ$	b. AWK		
$\circ$	c. Fortran		
•	d. Lisp 🇸		
$\circ$	e. Algol		
Your	answer is corre	ect.	

The correct answer is: Lisp

Ques	stion 5	Incorrect	Mark 0.00 out of 1.00	
Which one of the following is not a criterion for a programming language evaluation?				
Selec	t one:			
0	a. Reliability	×		
$\circ$	b. Age			
$\circ$	c. Cost			
$\circ$	d. Readabilit	ty		
$\circ$	e. Writability	/		
Your	answer is incor	rrect.		
The o	correct answer	is: Age		

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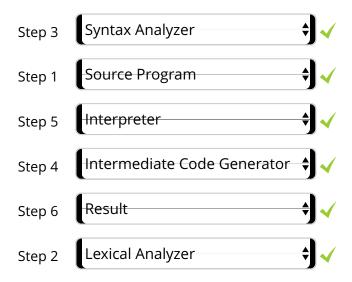


Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 16 January - 22 January > Homework 1

Started on	Thursday, 19 January 2017, 3:07 PM
State	Finished
Completed on	Thursday, 19 January 2017, 3:15 PM
Time taken	7 mins 34 secs
Marks	5.00/5.00
Grade	<b>100.00</b> out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

Please match the steps for Hybrid Implementation process.



Your answer is correct.

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

Ques	tion 2	Correct	Mark 1.00 out of 1.00
	is the legend	dary progra	amming language that is especially used for scientific
carca			
Select	one:		
$\circ$	a. Scitran		
•	b. Fortran		
$\circ$	c. Cobol		
$\circ$	d. Algol		
$\circ$	e. AWK		
Your	answer is corr	ect.	
The c	orrect answer	is: Fortran	
Ques	tion 3	Correct	Mark 1.00 out of 1.00
Why	should we st	udy progra	mming languages?
Select	one:		
0	a. All of the	m 🇸	
$\circ$	b. To be abl	e to select	languages more effectively
0	c. To increas	se our capa	acity to use different constructs
0	d. To be abl	e to learn r	new languages more efficiently
Your	answer is corr	ect.	
The correct answer is: All of them			

Question 4	Correct	Mark 1.00 out of 1.00
In what language	is most of	UNIX written?
Select one:		
a. Java		
o b. C++		
oc. Cobol		
d. Python		
<ul><li>e. C ✓</li></ul>		
Your answer is corr	rect.	
The correct answer	ris: C	
Question 5	Correct	Mark 1.00 out of 1.00
JIT (Just-in-Time) c	ompilers a	are widely used for Java programs.
Select one:		
● True ✓		
False		
The correct answer	r is 'True'.	

Homework 2 3/1/17, 10:23 AM

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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 23 January - 29 January > Homework 2

Grade	<b>20.00</b> out of 100.00
Marks	1.00/5.00
Time taken	6 mins 39 secs
Completed on	Thursday, 26 January 2017, 12:09 PM
State	Finished
Started on	Thursday, 26 January 2017, 12:03 PM

Homework 2 3/1/17, 10:23 AM

Question 1 Incorrect Mark 0.00 out of 1.00
If ( a > b ) print "Yes" This logic had been implemented in which programming language first? (conditional branching)
Select one:
<ul><li>■ a. Fortran ★</li></ul>
O b. C
c. Speedcoding
O d. ALGOL
O e. APL
The correct answer is: Speedcoding
Question 2 Correct Mark 1.00 out of 1.00
What is the first Al language?
Select one:
a. JAVA
o b. PYTHON
<ul><li>o c. LISP ✓</li></ul>
od. FORTRAN
The correct answer is: LISP

Homework 2 3/1/17, 10:23 AM

Question 3 Incorrect Mark 0.00 out of 1.00
Why source code usage was developed instead of using object/machine code?
Select one:
a. Machine code was hard to modify
o b. All of them
<ul><li>c. Machine code has no indexing X</li></ul>
d. Machine code has poor readability
The correct answer is: All of them
Question 4 Incorrect Mark 0.00 out of 1.00
first used in Fortran IV.
Select one:
■ a. All ★
o b. Arrays
c. Explicit data type declarations
O d. Pointers
The correct answer is: Explicit data type declarations

Homework 2 3/1/17, 10:23 AM

Quest	tion 5	Incorrect	Mark 0.00 out of 1.00		
Which	Which one is not correct about Zuse's Plankalkul?				
Select	one:				
$\circ$	a. Implemented in 1972				
•	b. Designed in 1945 🗙				
$\circ$	c. Has invari	ants			
$\circ$	d. Has adva	nced data st	tructures		
The co	The correct answer is: Implemented in 1972				

Homework 2 3/1/17, 10:24 AM

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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 23 January - 29 January > Homework 2

Started on	Thursday, 26 January 2017, 12:45 PM
State	Finished
Completed on	Thursday, 26 January 2017, 12:55 PM
Time taken	10 mins 4 secs
Marks	3.00/5.00
Grade	<b>60.00</b> out of 100.00

Homework 2 3/1/17, 10:24 AM

Questio	on 1	Incorrect	Mark 0.00 out of 1.00
If ( a > b print ' else print '	"Yes" "No"	implement	ted in which programming language first?
Select o	ne:		
( a	. Speedcodi	ng	
<ul><li>b</li></ul>	. ALGOL 🗶		
O C	. Fortran		
	I. C		
) e	e. APL		
The cor	rect answer i	s: Fortran	

Homework 2 3/1/17, 10:24 AM

Question 2	Correct	Mark 1.00 out of 1.00
What is the first F	<sup>o</sup> rogrammir	ng Language?
Select one:		
<ul><li>a. Zuse's P</li></ul>	lankalkul 🎺	
ob. APL		
c. Fortran l	I	
d. Algol 58		
The correct answe	er is: Zuse's P	Plankalkul
Question 3	Correct	Mark 1.00 out of 1.00
		ge was designed for IBM 704 machine that takes wint hardware calculations instead of software
Select one:		
a. Smalltal	k	
ob. Java		
o. Algol		
d. Fortran	✓	
e. C		
The correct answe	er is: Fortran	

Homework 2 3/1/17, 10:24 AM

Question 4 Incorrect Mark 0.00 out of 1.00				
If ( a > b ) print "Yes"  This logic had been implemented in which programming language first?  (conditional branching)				
Select one:				
a. Fortran				
<ul><li>b. Speedcoding</li></ul>				
o c. APL				
d. ALGOL   ★				
o e. C				
The correct answer is: Speedcoding				
Question 5 Correct Mark 1.00 out of 1.00				
Why source code usage was developed instead of using object/machine code?				
Select one:				
a. Machine code has no indexing				
b. Machine code has poor readability				
<ul><li>o. All of them ✓</li></ul>				
d. Machine code was hard to modify				
The correct answer is: All of them				











### Ravshanbek Norboev\*



Dashboard > COMP > COMP 3320.Programming Languages.2016FLL.s1 > 12 September - 18 September > Homework 4

Started on Wednesday, 21 September 2016, 11:30 AM

State Finished

Completed on Wednesday, 21 September 2016, 11:38 AM

Time taken 7 mins 57 secs

Marks 4.00/7.00

Grade 57.14 out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

What is the lowest level syntactic unit?

#### Select one:

- a. BNF
- b. lexeme
- c. grammar
- d. EBNF

Your answer is correct.

The correct answer is: lexeme

In the following grammar we can say that:

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

 $<id> \rightarrow A \mid B \mid C$ 

<expr $> \rightarrow <$ expr> + <term>

| <term>

<term>  $\rightarrow$  <term> \* <factor>

| <factor>

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

| <id>

#### Select one:

a. \* has precedence over +

b. + and \* have same precedence

o. we cannot say anything about their precedence

d. + has precedence over \* X

Your answer is incorrect.

The correct answer is: \* has precedence over +

The following grammar is ambiguous:

$$<$$
S $> \rightarrow <$ A $>$ 

$$\rightarrow + |$$

$$\rightarrow a \mid b \mid c$$

Select one:

- True
- False X

The correct answer is 'True'.

Question 4

Correct Ma

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. unambigious
- b. ambiguous
- o. flexible
- od. readable

Your answer is correct.

The correct answer is: ambiguous

In what language is most of UNIX written?
Select one:
a. C   ✓
o b. Cobol
© c. C++
od. Java
e. Python
Your answer is correct.
The correct answer is: C

Question 7

Correct

Mark 1.00 out of 1.00

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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	<b>92.86</b> 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>

<term> → <term> \* <factor>

| <factor>

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

| <id>

### Select one:

- a. A = (A+B) \* 3
- b. C = ( A+ (C + C) ) \* C
- $\circ$  c. A = (A+B) \* C
- d. A = (B+B) \* C

Your answer is correct.

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

|--|

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

_			
$^{\prime}$	loct.	one:	٠
ンし		OIIC.	

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.

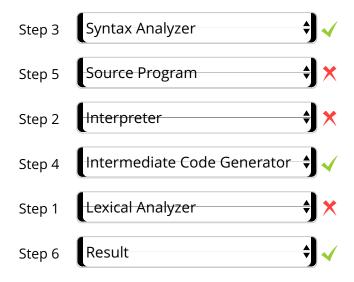
The correct answer is: \* has precedence over +

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			
<ul><li>b. ambiguou</li></ul>	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	tion 6	Correct	Mark 1.00 out of 1.00	
Why should we study programming languages?				
Selec	t one:			
$\bigcirc$	a. To be abl	e to learn i	new languages more efficiently	
$\circ$	b. To be abl	e to select	languages more effectively	
$\circ$	c. To increase our capacity to use different constructs			
•	d. All of the	m 🇸		
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

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

Started on	Monday, 6 February 2017, 2:53 PM
State	Finished
Completed on	Monday, 6 February 2017, 3:00 PM
Time taken	7 mins 22 secs
Marks	6.00/7.00
Grade	<b>85.71</b> out of 100.00

Question 1 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. ambiguous 🗸
- b. readable
- c. flexible
- d. unambigious

Your answer is correct.

The correct answer is: ambiguous

Question 2

Correct

Mark 1.00 out of 1.00

The following grammar is ambiguous:

$$\langle S \rangle \rightarrow \langle A \rangle$$

$$\rightarrow + |$$

$$\langle id \rangle \rightarrow a \mid b \mid c$$

Select one:

- True 🗸
- False

The correct answer is 'True'.

|--|--|--|

The sentences of the language are generated through a sequence of applications					
of the rules, beginning with a special nonterminal of the grammar called the start					
symbol. This sequence of rule applications is called a derivation.					
Select one:					
● True					
○ False					
T disc					
The correct answer is 'True'.					
Question 4 Correct Mark 1.00 out of 1.00					
What is the lowest level syntactic unit?					
Select one:					
a. grammar					
o b. BNF					
C. EBNF					
<ul><li>o d. lexeme ✓</li></ul>					
Your answer is correct.					
The correct answer is: lexeme					

Question 5 Correct Mark 1.00 out of 1.00		
Operator precedence can be achieved in grammars.		
Select one:		
<ul><li>a. non-ambiguous </li><li>b. token</li></ul>		
o c. BNF		
od. ambiguous		
Your answer is correct.		
The correct answer is: non-ambiguous		
Question 6 Incorrect Mark 0.00 out of 1.00		
JIT (Just-in-Time) compilers are widely used for Java programs.		
Select one:		
O True		
• False X		
The correct answer is 'True'.		

Ques	ition 7	Correct	Mark 1.00 out of 1.00	
Which language used orthogonality as a primary design criterion?				
Selec	t one:			
$\circ$	a. JAVA			
$\circ$	b. LISP			
$\circ$	c. FORTRAN	I		
•	d. ALGOL 🛶	/		
$\circ$	e. Python			
Your answer is correct.				
The correct answer is: ALGOL				

Homework 3 3/5/17, 11:48 PM

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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 30 January - 5 February > Homework 3

Started on	Monday, 30 January 2017, 2:03 PM
State	Finished
Completed on	Monday, 30 January 2017, 2:08 PM
Time taken	4 mins 45 secs
Marks	5.00/5.00
Grade	<b>100.00</b> out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

Which one is the pure object oriented programming language?

### Select one:

- a. Ada
- b. Algol
- c. Basic
- d. Smalltalk
- e. Snobol

The correct answer is: Smalltalk

Homework 3 3/5/17, 11:48 PM

Ques	tion 2	Correct	Mark 1.00 out of 1.00		
	designed for teaching structured programming.				
Selec	Select one:				
$\circ$	a. Snobol				
•	b. Pascal 🧹				
$\circ$	c. Fortran				
$\circ$	d. C				
0	e. Ada				
The c	The correct answer is: Pascal				
Ques	tion 3	Correct	Mark 1.00 out of 1.00		
is non-procedural and based on formal logic.					
Selec	t one:				
$\circ$	a. Algol				
$\circ$	b. C				
$\circ$	c. Ada				
$\circ$	d. Lisp				
•	e. Prolog 🗸				
The correct answer is: Prolog					

Homework 3 3/5/17, 11:48 PM

Ques	tion 4	Correct	Mark 1.00 out of 1.00
What	t are the co	mmon chara	acteristics of APL and SNOBOL?
Selec	t one:		
$\circ$	a. Static t	yping and sta	atic storage
•	b. Dynam	ic typing and	d dynamic storage 🗸
$\circ$	c. Orthog	onal Design	
0	d. Object	oriented	
The o	orrect answ	er is: Dynamio	c typing and dynamic storage
Ques	tion 5	Correct	Mark 1.00 out of 1.00
• P	h language Packages Generic prog Concurrency	gram units	owing contributions specifically?
Selec	t one:		
$\circ$	a. Algol		
$\circ$	b. Java		
0	c. C		
•	d. Ada 🇹		
0	e. Fortrar	1	
The c	orrect answ	er is: Ada	

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

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

# 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:

Your answer is correct.

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

|--|--|

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

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( - )	True 🗸	ż
	iiue 💊	1

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.

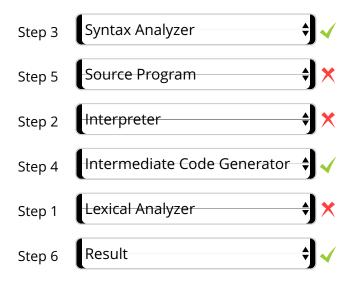
The correct answer is: \* has precedence over +

Question 4	Correct	Mark 1.00 out of 1.00
A grammar that ged		sentential form for which there are two or more be
Select one:		
<ul><li>a. unambigio</li></ul>	ous	
<ul><li>b. ambiguou</li></ul>	S 🎺	
o. flexible		
od. readable		
Your answer is corre The correct answer i		ous
Question 5	Correct	Mark 1.00 out of 1.00
		Mark 1.00 out of 1.00  achieved in grammars.
Operator preceden		
Operator preceden	ice can be	
Operator precedent Select one: a. token	ice can be	
Operator precedent Select one:	ice can be	
Operator precedent Select one: a. token b. ambiguou c. BNF	s guous 🎺	

Ques	stion 6	Correct	Mark 1.00 out of 1.00		
Why should we study programming languages?					
Selec	t one:				
$\circ$	a. To be abl	e to learn i	new languages more efficiently		
$\circ$	b. To be able to select languages more effectively				
$\circ$	c. To increase our capacity to use different constructs				
0	d. All of the	m 🇸			
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

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

Grade	<b>100.00</b> out of 100.00
Marks	7.00/7.00
Time taken	3 mins 36 secs
Completed on	Monday, 6 February 2017, 3:16 PM
State	Finished
Started on	Monday, 6 February 2017, 3:13 PM

# 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:

- a. A = ( A+B ) \* C
- b. A = (A+B) \* 3
- c. A = (B+B) \* C
- d. C = ( A+ (C + C) ) \* C

Your answer is correct.

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

Question 2

Correct

Mark 1.00 out of 1.00

What is the lowest level syntactic unit?

Select one:

- a. EBNF
- b. lexeme 

  ✓
- c. BNF
- d. grammar

Your answer is correct.

The correct answer is: lexeme

Question 3

Correct

Mark 1.00 out of 1.00

The following grammar is ambiguous:

$$\langle S \rangle \rightarrow \langle A \rangle$$

$$\rightarrow + |$$

$$\rightarrow a \mid b \mid c$$

Select one:

- True
- False

The correct answer is 'True'.

t of 1.00
-----------

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 5

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. + has precedence over \*
- d. + and \* have same precedence

Your answer is correct.

The correct answer is: \* has precedence over +

Ques	tion 6	Correct	Mark 1.00 out of 1.00		
	What is the legendary programming language that is especially used for scientific calculations?				
Select	one:				
$\circ$	a. Algol				
•	b. Fortran 🇸	/			
$\circ$	c. AWK				
$\circ$	d. Scitran				
$\circ$	e. Cobol				
Your a	Your answer is correct.				
The co	The correct answer is: Fortran				

Ques	tion 7	Correct	Mark 1.00 out of 1.00	
What is the legendary programming language that is especially used for Al?				
Selec	t one:			
$\circ$	a. AWK			
$\circ$	b. Fortran			
$\circ$	c. Pascal			
$\circ$	d. Algol			
0	e. Lisp 🧹			

Your answer is correct.

The correct answer is: Lisp

Homework 5 2/13/17, 2:53 PM

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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	<b>80.00</b> 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:



**False** 

True

The correct answer is 'True'.

Homework 5 2/13/17, 2:53 PM

Question 2 Correct Mark 1.00 out of 1.00
Type compatibility can be checked in context-free grammars.
Select one:
O 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
<ul> <li>b. To find synthesized attributes</li> </ul>
<ul><li>o. To check ambiguity ✓</li></ul>
od. To find inherited attributes
Your answer is correct.
The correct answer is: To check ambiguity

Homework 5 2/13/17, 2:53 PM

**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
- $_{ullet}$  d. The name on the end of a function must match the functions name  $\checkmark$

Your answer is correct.

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

Homework 5 2/13/17, 2:53 PM

_				
Ques	tion 5	Incorrect	Mark 0.00 out of 1.00	
			used to describe more of the structure of a can be described with a context-free- grammar.	
Select	one:			
$\bigcirc$	a. static se	mantics		
0	b. Extende	d BNF 💢		
$\bigcirc$	c. recogniz	er		
$\circ$	d. attribute	e grammar		
Your	answer is inc	orrect.		
The c	orrect answe	r is: attribute န	grammar	

Homework 5 2/13/17, 2:58 PM

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

Started on	Monday, 13 February 2017, 2:54 PM
State	Finished
Completed on	Monday, 13 February 2017, 2:58 PM
Time taken	4 mins 38 secs
Marks	5.00/5.00
Grade	<b>100.00</b> out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

Dynamic semantics deals with the meaning of expressions, statements, and program units.

### Select one:



False

The correct answer is 'True'.

Homework 5 2/13/17, 2:58 PM

Question 2	Correct	Mark 1.00 out of 1.00
Operational sema	ntics deals	with the effects of running a program on a machine.
Select one:		
● True		
O False		
The correct answer	r is 'True'.	
Question 3	Correct	Mark 1.00 out of 1.00
For which one of	the followir	ng we do not need attribute grammars?
Select one:		
a. To find ir	nherited att	ributes
b. To find ir	ntrinsic attr	ibutes
c. To find sy	ynthesized	attributes
• d. To check	ambiguity	✓
Your answer is cor	rect.	
The correct answer	r is: To check	k ambiguity

Homework 5 2/13/17, 2:58 PM

Question 4	Correct	Mark 1.00 out of 1.00
The static semant	ics of a lan	nguage deals with the syntax rather than semantics.
Select one:		
<ul><li>True </li></ul>		
False		
True		
The correct answer	r is 'True'.	

Homework 5 2/13/17, 2:58 PM

Question 5 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:

- ullet a. The name on the end of a function must match the functions name  $oldsymbol{\checkmark}$
- b. Functions should have two variables
- c. Syntax rule should come before predicate rule when writing in that programming language
- d. Functions cannot be defined without variables

Your answer is correct.

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

Homework 5 2/13/17, 3:01 PM

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

Started on	Monday, 13 February 2017, 2:59 PM
State	Finished
Completed on	Monday, 13 February 2017, 3:01 PM
Time taken	2 mins 23 secs
Marks	5.00/5.00
Grade	<b>100.00</b> out of 100.00

Homework 5 2/13/17, 3:01 PM

Question 1	Correct	Mark 1.00 out of 1.00
		e used to describe more of the structure of a can be described with a context-free- grammar.
Select one:  a. attribut b. recogni c. static se d. Extende	emantics	
Your answer is co		e grammar
Question 2	Correct	Mark 1.00 out of 1.00
Type compatibil	ity can be ch	ecked in context-free grammars.
Select one:		
<ul><li>○ True</li><li>● False ✓</li></ul>		
Attribute gramma	ar can check t	ype compatibility.
The correct answ	er is 'False'.	

Homework 5 2/13/17, 3:01 PM

Question 3	Correct	Mark 1.00 out of 1.00
Operational sem	antics deals	with the effects of running a program on a machine.
Select one:		
<ul><li>True </li></ul>		
False		
The correct answe	er is 'True'.	
Question 4	Correct	Mark 1.00 out of 1.00
		Mark 1.00 out of 1.00 th the meaning of expressions, statements, and
Dynamic semant		
Dynamic semant program units.		
Dynamic semant program units. Select one:		

Homework 5 2/13/17, 3:01 PM

|--|

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. Syntax rule should come before predicate rule when writing in that programming language
- ullet c. The name on the end of a function must match the functions name  $\checkmark$
- d. Functions cannot be defined without variables

Your answer is correct.

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

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

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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, 10:58 PM
State	Finished
Completed on	Wednesday, 22 February 2017, 11:01 PM
Time taken	3 mins 44 secs
Marks	4.00/4.00
Grade	<b>100.00</b> out of 100.00

Question 1 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:

<ul><li>True •</li></ul>
--------------------------

False

The correct answer is 'True'.

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 2 Correct Mark 1.00 out of 1.00
What is the front end of a syntax analyzer?
Select one:
a. Semantic Analyzer
<ul> <li>b. Attribute Grammars</li> </ul>
<ul><li>o c. Lexical analyzer ✓</li></ul>
O d. Context-free grammars
Your answer is correct.
The correct answer is: Lexical analyzer
Question 3 Correct Mark 1.00 out of 1.00
Syntax analysis is often called parsing.
Select one:
● True
O False
The correct answer is 'True'.

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 4 Correct Mark 1.00 out of 1.00

Parsing algorithms that work for any unambigious grammar are complicated and inefficient. The complexity of those algorithms is \_\_\_\_\_.

Select one:

- a. O(N)
- b. O(N<sup>3</sup>)
- c. O(N<sup>2</sup>)
- d. O(log N)

Your answer is correct.

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

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

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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, 11:03 PM
State	Finished
Completed on	Wednesday, 22 February 2017, 11:04 PM
Time taken	1 min 34 secs
Marks	4.00/4.00
Grade	<b>100.00</b> out of 100.00

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 1 Correct Mark 1.00 out of 1.00
A top-down parser builds a parse tree in
Select one:
a. postorder
<ul><li>■ b. preorder  </li></ul>
o c. inorder
od. no order
Your answer is correct.
The correct answer is: preorder
Question 2 Correct Mark 1.00 out of 1.00
Question 2 Correct Mark 1.00 out of 1.00  There are three reasons why lexical analysis is separated from syntax analysis.  Which one of the following is not one of them?
There are three reasons why lexical analysis is separated from syntax analysis.
There are three reasons why lexical analysis is separated from syntax analysis. Which one of the following is not one of them?
There are three reasons why lexical analysis is separated from syntax analysis.  Which one of the following is not one of them?  Select one:
There are three reasons why lexical analysis is separated from syntax analysis.  Which one of the following is not one of them?  Select one:  a. Portability
There are three reasons why lexical analysis is separated from syntax analysis.  Which one of the following is not one of them?  Select one:  a. Portability  b. Simplicity
There are three reasons why lexical analysis is separated from syntax analysis.  Which one of the following is not one of them?  Select one:  a. Portability  b. Simplicity  c. Cost ✓

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 3	Correct	Mark 1.00 out of 1.00
A lexical analy	zer is a patterr	n matcher.
Select one:		
● True		
False		
The correct an	swer is 'True'.	
Question 4	Correct	Mark 1.00 out of 1.00
What is the fro	ont end of a sy	ntax analyzer?
Select one:		
a. Cont	ext-free gramm	nars
<ul><li>b. Lexic</li></ul>	al analyzer 🧹	
o. Sema	antic Analyzer	
O d. Attril	oute Grammars	S
Your answer is	correct.	
The correct an	swer is: Lexical a	analyzer

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

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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, 11:04 PM
State	Finished
Completed on	Wednesday, 22 February 2017, 11:05 PM
Time taken	27 secs
Marks	4.00/4.00
Grade	<b>100.00</b> out of 100.00

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 1	Correct	Mark 1.00 out of 1.00
		k for any unambigious grammar are complicated and fithose algorithms is
Select one:		
a. O(N)		
b. O(log N)		
o. O(N <sup>2</sup> )		
• d. $O(N^3)$		
Your answer is corre	ect.	
The correct answer	is: O(N <sup>3</sup> )	
Question 2	Correct	Mark 1.00 out of 1.00
There are three rea	asons why	lexical analysis is separated from syntax analysis.
Which one of the f	ollowing is	s not one of them?
Select one:		
<ul><li>a. Simplicity</li></ul>		
<ul><li>b. Cost ✓</li></ul>		
c. Portability	<i>'</i>	
d. Efficiency		
Your answer is corre	ect.	
The correct answer	is: Cost	

Homework 6 (Slides: Ch4 - Part 1) 3/1/17, 10:22 AM

Question 3	Correct	Mark 1.00 out of 1.00
A lexical analyzer	is a patterr	n matcher.
Select one:		
● True		
False		
The correct answe	er is 'True'.	
Question 4	Correct	Mark 1.00 out of 1.00
Syntax analysis is	s often calle	ed parsing.
Select one:		
<ul><li>True </li></ul>		
<ul><li>False</li></ul>		
The correct answe	er is 'True'.	











### Ravshanbek Norboev



Dashboard > COMP > COMP 3320.Programming Languages.2016FLL.s1 > 3 October - 9 October > Homework 7

Started on	Wednesday, 12 October 2016, 11:33 AM
State	Finished
Completed on	Wednesday, 12 October 2016, 11:40 AM
Time taken	6 mins 39 secs
Marks	2.00/2.00
Grade	<b>100.00</b> out of 100.00

Question 1 Correct Mark 1.00 out of 1.00

EBNF is ideally suited for recursive-descent parsers.

#### Select one:

True

False

The correct answer is 'True'.

Assume the following non-terminals are given: <type>, <id>, , , <assign>, <expr>, and <stmt\_list>.

Which of following cannot be written with this grammar:

```
<for> -> for '(' [[<type>] <id> = <expr>}] ; [<expr>] ; [<expr>] ; [<expr>] ')' '{' <stmt_list> '}'
```

Select one:

```
a. for (int k = 0, m = 100; k < n; k++, m++)
{
    b = a + 1;
}
b. for (int i = 0; i < n; i++)
{
    a = a + 1;
}
c. for (int i = 0; i < n; i++)
{
    a = a + 1;
}
d. for (i = 0; i < n; i++);
{
    a = a + 1;
}</li>
```



Your answer is correct.

} 

```
The correct answer is: for ( i = 0; i < n; i++); {  a = a + 1;  }
```

