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Typical compilation means programs written in high-level languages to low-level _____.

Answer (Please select your correct option)



Object code



Byted code



Unicode



Object Code and byte code

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu



In compilation process, Hierarchical analysis is also called _____.

Answer (Please select your correct option)

☐

Parsing

☐

Syntax analysis.

☐

Parsing and Syntax analysis

☐

None of given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu



IR (Intermediate Representation) stores the value of its operand in _____.

Answer (Please select your correct option)



Registers

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306



Memory



Hard disk



None Of given

Made By: Waqar Siddhu



A lexeme is a sequence of characters in the source program that is matched by the pattern for a _____.

no any lexeme
word available in
book

Answer (Please select your correct option)



Linker



Token



Control flow



None of given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu



Parsers take ____ as input from lexical analyzer.

Answer (Please select your correct option)

☐

Linker

☐

Token

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

☐

Instruction

☐

None of the given

Made By: Waqar Siddhu



What kind of abstract machine can recognize strings in a regular set?

Answer (Please select your correct option)

☐

DFA

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

☐

NFA

☐

PDA

☐

None of the given

Made By: Waqar Siddhu



In multi pass compiler, during the first pass it gathers information about _____.

Answer (Please select your correct option)



Declaration



Bindings



Static information



None of the given

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03228043306

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In DFA minimization, we construct one _____ for each group of states from the initial DFA.

Answer (Please select your correct option)

☐

State

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

☐

NFA

☐

PDA

☐

None of given

Made By: Waqar Siddhu



_____ (Lexical Analyzer generator), is written in Java

page : 26 hanouts

Answer (Please select your correct option)



Flex



Jlex



Complex



None of given

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03228043306

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In Flex specification file, different sections are separated by _____ .



Answer (Please select your correct option)



%%%

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306



&&



##



None of given

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Recursive ____ parsing is done for LL(1) grammar.

Answer (Please select your correct option)



Decent

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03228043306



Ascent



Forward



None of the given

Made By: Waqar Siddhu



Alternative of the backtrack in parser is Look ahead symbol in _____

Answer (Please select your correct option)

☐ Input

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

☐ Output☐ Input and Output☐ None of the given.



Parser takes tokens from scanner and tries to generate _____.

Answer (Please select your correct option)



Binary Search tree



Parse tree.

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306



Binary Search tree and Parse tree.



None of the given



In predictive parsing table, the rows represents _____

Answer (Please select your correct option)

☐

Terminals

☐

Both non-terminal and terminals

☐

Non-terminals

☐

None of the given

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In LL(1) parsing algorithm, ____ contains a sequence of grammar symbols.

Answer (Please select your correct option)



Stack

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03228043306



Link List



Array



None of the given.

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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

First if A is

Answer (Please select your correct option)

☐ h, g, i

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☐ g

☐ h

☐ None of the given.

Made By: Waqar Siddhu

Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

if first of C is

Answer (Please select your correct option)

☐ g, i

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☐ g

☐ h, i

☐ None of the given.



Bottom-up parsing uses only _____ kinds of actions.

Answer (Please select your correct option)

☐

Two

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☐

Three

☐

Four

☐

Five

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The shift action _____ a terminal on the stack.

Answer (Please select your correct option)

☐

Pushes

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03228043306

☐

Pops

☐

Both push and pops

☐

None of the given

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Reduce action _____ zero or more symbols from the stack

Answer (Please select your correct option)

☐

Pushes

☐

Pops

☐

Both push and pops

☐

None of the given

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03228043306



In compilers, linear analysis is also called _____.

Answer (Please select your correct option)



Lexical analysis



Scanning



Lexical analysis and scanning



None of the given

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Back End of two-pass compiler uses _____ algorithm.

Answer (Please select your correct option)

☐ $O(n)$

☐ $O(n \log n)$

☐ NP Complete

☐ None of the Given

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The Back End of a compiler consist of _____

Answer (Please select your correct option)

☐

Instruction selection

☐

Register allocation

☐

Instruction scheduling

☐

All of the given

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03228043306

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In Back End module of compiler, optimal register allocation uses _____.

Answer (Please select your correct option)



$O(\log n)$



$O(n \log n)$



N P-Complete



None of the given

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usmanraj20@gmail.com
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A lexeme is a sequence of characters in the source program that is matched by the pattern for a _____.

Answer (Please select your correct option)



Linker



Token



Control flow



None of given

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_____ is a regular expression for the set of all strings over the alphabet $\{a\}$ that has an even number of a 's.

Answer (Please select your correct option)

☐ aa^*

☐ $(aa)^*$

☐ aa^*a

☐ $a(aa)^*$

Correct Answer Solved By Hadi
usmanraj20@gmail.com
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What kind of abstract machine can recognize strings in a regular set?

Answer (Please select your correct option)

☐

DFA

☐

NFA

☐

PDA

☐

None of the given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

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_____ algorithm is used in DFA minimization.

Answer (Please select your correct option)



James's



Robert's



Hopcroft's



None of given

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Made By: Waqar Siddhu



In DFA minimization, we construct one _____ for each group of states from the initial DFA.

Answer (Please select your correct option)



State

**Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306**



NFA



PDA



None of given

Made By: Waqar Siddhu



In Flex specification file, different sections are separated by _____.

Answer (Please select your correct option)



%%%

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usmanraj20@gmail.com
03228043306



&&



##



None of given

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Recursive ____ parsing is done for LL(1) grammar.

Answer (Please select your correct option)

☐ Decent



☐ Ascent



☐ Forward



☐ None of the given



Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

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Parser takes tokens from scanner and tries to generate _____.

Answer (Please select your correct option)

☐ Binary Search tree

☐ Parse tree.

☐ Binary Search tree and Parse tree.

☐ None of the given

Correct Answer Solved By Hadi
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03228043306

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_____ is an important component of semantic analysis.

Answer (Please select your correct option)

☐ Code checking

☐ type checking.

☐ Flush checking.

☐ None of the given

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In predictive parsing table, the rows represents _____

Answer (Please select your correct option)

☐

Terminals

☐

Both non-terminal and terminals

☐

Non-terminals

☐

None of the given

Correct Answer Solved By Hadi
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In LL(1) parsing algorithm, ____ contains a sequence of grammar symbols.

Answer (Please select your correct option)



Stack



Link List



Array



None of the given.

Correct Answer Solved By Hadi
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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

Answer (Please select your correct option)

☐ h, g, i

☐ g

☐ h

☐ None of the given.

Correct Answer Solved By Hadi
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03228043306

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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

first of B is

Answer (Please select your correct option)

☐ h, i

☐ h, ε

☐ g

☐ None of the given.

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

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$A \rightarrow B C D$ $B \rightarrow h B | \varepsilon$ $C \rightarrow C g | g | C h | i$ $D \rightarrow A B | \varepsilon$

First of B is _____.

Answer (Please select your correct option)

☐ h, i☐ h, ε ☐ g☐ None of the given.

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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

Answer (Please select your correct option)

☐ h, g

☐ h

☐ h, g, i, ε

☐ None of the given

Correct Answer Solved By Hadi
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$A \rightarrow B C D$ $B \rightarrow h B | \varepsilon$ $C \rightarrow C g | g | C h | i$ $D \rightarrow A B | \varepsilon$

First of D is _____.

Answer (Please select your correct option)

☐ h, g☐ h☐ h, g, i, ε ☐ None of the given

Correct Answer Solved By Hadi
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03228043306

Made By: Waqar Siddhu



Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

Answer (Please select your correct option)

☐ h, \$

☐ i

☐ g, \$

☐ None of the given.

$A \rightarrow B C D$ $B \rightarrow h B \mid \varepsilon$ $C \rightarrow C g \mid g \mid C h \mid i$ $D \rightarrow A B \mid \varepsilon$

Follow of D is ____.

Answer (Please select your correct option)

☐ h, \$☐ i☐ g, \$☐ None of the given.



_____ parsers never shifts into an error state.

Answer (Please select your correct option)

☐ LS

☐ LT

☐ LR

☐ LP

Correct Answer Solved By Hadi
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In compilers, linear analysis is also called _____.

Answer (Please select your correct option)



Lexical analysis



Scanning



Lexical analysis and scanning



None of the given

Correct Answer Solved By Hadi
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03228043306

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Back End of two-pass compiler uses _____ algorithm.

Answer (Please select your correct option)

☐ $O(n)$

☐ $O(n \log n)$

☐ NP Complete

☐ None of the Given

Correct Answer Solved By Hadi
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03228043306

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The Back End of a compiler consist of _____

Answer (Please select your correct option)

☐ Instruction selection



☐ Register allocation



☐ Instruction scheduling



☐ All of the given



Correct Answer Solved By Hadi
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03228043306

Made By: Waqar Siddhu

In Back End module of compiler, optimal register allocation uses _____.

Answer (Please select your correct option)



$O(\log n)$



$O(n \log n)$



N P-Complete



None of the given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu



A lexeme is a sequence of characters in the source program that is matched by the pattern for a _____.

Answer (Please select your correct option)



Linker



Token



Control flow



None of given

Correct Answer Solved By Hadi
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_____ is a regular expression for the set of all strings over the alphabet $\{a\}$ that has an even number of a 's.

Answer (Please select your correct option)

☐ aa^*

☐ $(aa)^*$

☐ aa^*a

☐ $a(aa)^*$

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What kind of abstract machine can recognize strings in a regular set?

Answer (Please select your correct option)

☐

DFA

☐

NFA

☐

PDA

☐

None of the given

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_____ algorithm is used in DFA minimization.

Answer (Please select your correct option)



James's



Robert's



Hopcroft's



None of given

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In DFA minimization, we construct one _____ for each group of states from the initial DFA.

Answer (Please select your correct option)

☐

State

Correct Answer Solved By Hadi
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03228043306

☐

NFA

☐

PDA

☐

None of given

Made By: Waqar Siddhu



In Flex specification file, different sections are separated by _____.

Answer (Please select your correct option)



%%%

Correct Answer Solved By Hadi
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03228043306



&&



##



None of given

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Recursive ____ parsing is done for LL(1) grammar.

Answer (Please select your correct option)

☐ Decent



☐ Ascent



☐ Forward



☐ None of the given



Correct Answer Solved By Hadi
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Parser takes tokens from scanner and tries to generate _____.

Answer (Please select your correct option)

☐ Binary Search tree

☐ Parse tree.

☐ Binary Search tree and Parse tree.

☐ None of the given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

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_____ is an important component of semantic analysis.

Answer (Please select your correct option)

☐ Code checking

☐ type checking.

☐ Flush checking.

☐ None of the given

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In predictive parsing table, the rows represents _____

Answer (Please select your correct option)

☐

Terminals

☐

Both non-terminal and terminals

☐

Non-terminals

☐

None of the given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu

In LL(1) parsing algorithm, ____ contains a sequence of grammar symbols.

Answer (Please select your correct option)



Stack



Link List



Array



None of the given.

Correct Answer Solved By Hadi
usmanraj20@gmail.com
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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

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Answer (Please select your correct option)

☐ h, g, i

☐ g

☐ h

☐ None of the given.

Correct Answer Solved By Hadi
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03228043306

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Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

first of B is

Answer (Please select your correct option)

☐ h, i

☐ h, ε

☐ g

☐ None of the given.

Correct Answer Solved By Hadi
usmanraj20@gmail.com
03228043306

Made By: Waqar Siddhu

$A \rightarrow B C D$ $B \rightarrow h B | \varepsilon$ $C \rightarrow C g | g | C h | i$ $D \rightarrow A B | \varepsilon$

First of B is _____.

Answer (Please select your correct option)

☐ h, i☐ h, ε ☐ g☐ None of the given.

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Made By: Waqar Siddhu

Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

Answer (Please select your correct option)

☐ h, g

☐ h

☐ h, g, i, ε

☐ None of the given

Correct Answer Solved By Hadi
usmanraj20@gmail.com
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$A \rightarrow B C D$ $B \rightarrow h B | \varepsilon$ $C \rightarrow C g | g | C h | i$ $D \rightarrow A B | \varepsilon$

First of D is _____.

Answer (Please select your correct option)

☐ h, g☐ h☐ h, g, i, ε ☐ None of the given

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Made By: Waqar Siddhu



Consider the grammar

$$A \rightarrow B C D$$

$$B \rightarrow h B \mid \varepsilon$$

$$C \rightarrow C g \mid g \mid C h \mid i$$

Answer (Please select your correct option)

☐ h, \$

☐ i

☐ g, \$

☐ None of the given.

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Answer (Please select your correct option)

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Answer (Please select your correct option)

☐ LS

☐ LT

☐ LR

☐ LP

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