

Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

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**

Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

In \_\_\_\_\_, certain checks are performed to ensure that components of a program fit together meaningfully.

Answer ( Please select your correct option )

- Linear analysis
- Hierarchical analysis
- Semantic analysis
- None of given

Correct Answer Solved By Hadi  
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03228043306

**Made By: Waqar Siddhu**

Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

The Back End of a compiler consist of \_\_\_\_\_.

- Instruction selection
- Register allocation
- Instruction scheduling
- All of the given

Correct Answer Solved By Hadi  
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03228043306

**Made By: Waqar Siddhu**

Question No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ read the input character and produce sequence of tokens as output.

Answer ( Please select your correct option )

- Lexical analyzer
  - Parser
  - Symbol table
  - None of the given
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Correct Answer Solved By Hadi  
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Question No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)

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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Correct Answer Solved By Hadi  
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Question No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)

The regular expression \_\_\_\_\_ denotes, the set of all strings of a's and b's of length two.

Answer ( Please select your correct option )

- a\*
  - (a\*b\*)\*
  - (a\*b\*)\*
  - (a|b)|(a|b)
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Question No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)

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

DFA

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NFA

PDA

None of the given

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Question No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Declaration

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Bindings

Static information

None of the given

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Question No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ (Lexical Analyzer generator), is written in Java

Flex

Jlex

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Complex

None of given

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

In Flex specification file, different sections are separated by \_\_\_\_\_.

Answer ( Please select your correct option )

%%

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&&

##

None of given

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

Recursive \_\_\_\_\_ parsing is done for LL(1) grammar.

Answer ( Please select your correct option )

Decent

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Ascent

Forward

None of the given

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ of a two-pass compiler is consists of Instruction selection, Register allocation and Instruction scheduling.

Answer ( Please select your correct option )

Backend

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Frontend

Start

None of the Given

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Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)

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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- Made By: Waqar Siddhu**

Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is evaluated to yield a value.

Answer ( Please select your correct option )

- Command
  - Expression
  - Declaration
  - None of the given
- Correct Answer Solved By Hadi  
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- Made By: Waqar Siddhu**

Question No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)

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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- Made By: Waqar Siddhu**

Question No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)

Consider the grammar

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

Answer ( Please select your correct option )

h, i

h,  $\epsilon$

g

None of the given.

Correct Answer Solved By Hadi  
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**Made By: Waqar Siddhu**

Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

Consider the grammar

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

Answer ( Please select your correct option )

h,  $\$$

i

g,  $\$$

None of the given.

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Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Follow of D is \_\_\_\_\_.

Answer ( Please select your correct option )

h,  $\$$

i

g,  $\$$

None of the given.

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Question No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)

The shift action \_\_\_\_\_ a terminal on the stack.

Answer ( Please select your correct option )

- Pushes
  - Pops
  - Both push and pops
  - None of the given
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Correct Answer Solved By Hadi  
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Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ parsers never shifts into an error state.

Answer ( Please select your correct option )

- LS
  - LT
  - LR
  - LP
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Correct Answer Solved By Hadi  
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Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

Bottom-up parsers handle a \_\_\_\_\_ class of grammars.

Answer ( Please select your correct option )

- Large
  - Small
  - Medium
  - None of the given.
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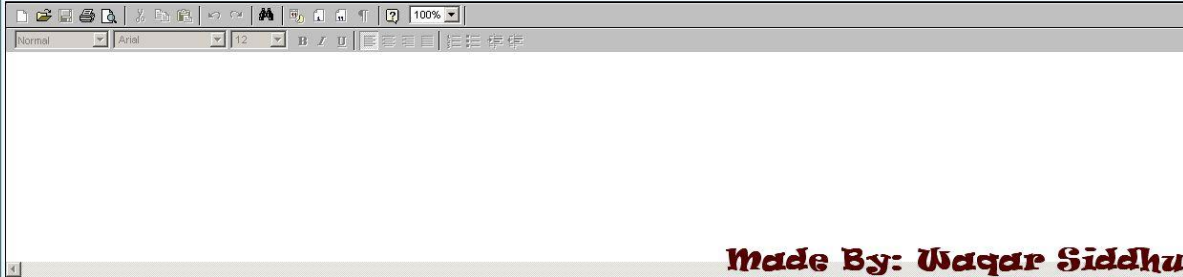
Correct Answer Solved By Hadi  
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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

What is the role of parser generator with respect to compilers?

Answer ( Please [click here to Add Answer](#) )



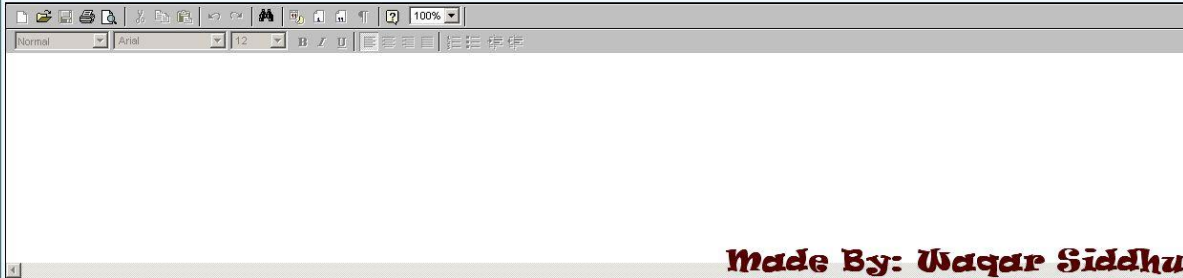
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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Considering that the bottom-up parsing uses only two kinds of actions with stack to hold the content of the left string, which action pushes a terminal on the stack?

Answer ( Please [click here to Add Answer](#) )



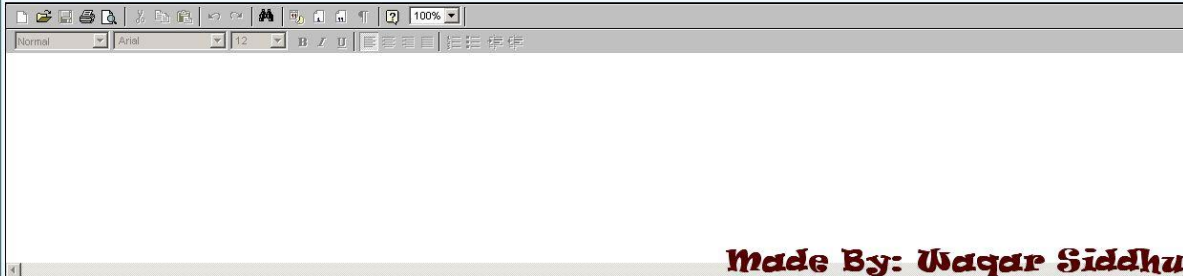
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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

How recursive descent parser is implemented using any Object Oriented language?

Answer ( Please [click here to Add Answer](#) )



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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

Considering the following grammar, calculate the first set of non-terminals S, A and B.

$S \rightarrow AB$   
 $A \rightarrow a|e$   
 $B \rightarrow b|e$

Answer ( Please [click here to Add Answer](#) )



A rich text editor interface with a toolbar at the top containing icons for undo, redo, bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, and a 100% zoom level. Below the toolbar is a text area with a dropdown menu set to 'Normal' and a font size dropdown set to '12'. The text area is currently empty.

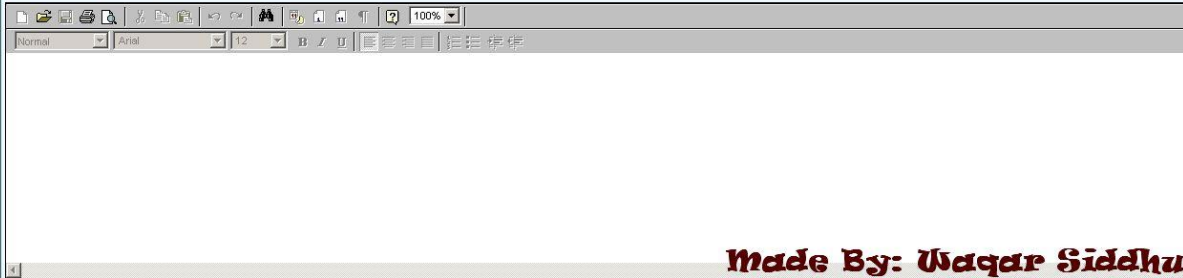
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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Suppose that you wrote a grammar for recognizing a regular expression and you found that this grammar is insufficient to evaluate arithmetic expression. If there is no notion of precedence order or implied order of evaluation then how will you change this grammar to evaluate the expression in correct order?

Answer ( Please [click here to Add Answer](#) )



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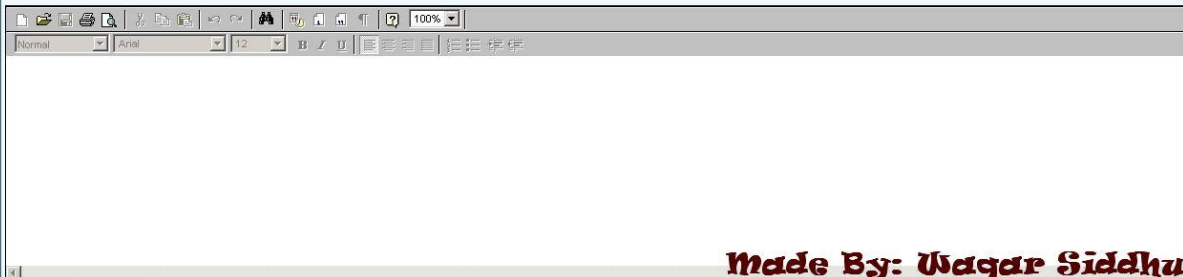
Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Considering the following grammar, reduce the string "abbcbode" using Bottom-up parsing

$S \rightarrow aABe$   
 $A \rightarrow Abc|b$   
 $B \rightarrow d$

Answer ( Please [click here to Add Answer](#) )



A rich text editor interface with a toolbar at the top containing icons for undo, redo, bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, and a 100% zoom level. Below the toolbar is a text area with a dropdown menu set to 'Normal' and a font size dropdown set to '12'. The text area is currently empty.

**Made By: Waqar Siddhu**