

# Compiler Construction

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
The first phase of the compiler is also called as_____	scanner	parser	token	Macro
The compilation process is partitioned into a series of sub processes called _____	sub program	module	phases	subsets
A compiler takes as input a source program and produces as output an equivalent sequence of _____	user program	machine instructions	call	object language
Which of the following is not a phase of compiler?	Lexical	syntax	testing	semantic
Which is not a token?	instructions	keywords	operator	identifier
When the lexical analyzer and parser are in the same pass, the lexical analyzer acts as a_____	stack	analyzer	parser	subroutine
The symbol table keeps account of the attributes of the _____	Values	numbers	identifiers	text
Output of lexical analysis phase is	parse tree	token	code	object code
Token for word compiler is	string	ld	literal	keyword

# Compiler Construction

The concept of grammar is much used in this part of the compiler	Parser	lexical analysis	code generation	code optimization
Parse tree methods constructs dependency graph at	compile time	run time	execution time	start time
Which of the methods not constructs dependency graph at compile time ?	topological sort	tree method	oblivious method	Parse tree method
The SDD is _____ if every attribute is synthesized . S-attributed definition can be Implemented during _____ parsing	L-attributed	parse tree	S-attributed	annotated parse tree
In L- Attributed the dependency graph edges can go from _____	SLR	LR	LL(1)	LALR
The main application of syntax directed translation is construction of _____ trees	right side only	left side only	right to left	Left to right
Syntax directed translation scheme is desirable because	semantic	syntax	binary	topological
	it is based on the syntax	its description is independent of any implementation	it is based on the semantic	it is easy to modify

## Compiler Construction

Inherited attribute is a natural choice in	keeping track of variable declaration	checking for the correct use of L-values	checking for the correct use of R-values	not keeping track of variable declaration
The array declaration in C is <code>int [2][4]</code> the type of expression becomes	<code>array(2,array(4,integer))</code>	<code>array(2,(4,integer))</code>	<code>array((4,integer)(4,integer))</code>	<code>array((2,integer)(2,integer)(2,integer)(2,integer))</code>
find LR(1) items following grammar $S \rightarrow \epsilon$	$S \rightarrow \cdot \epsilon$	$S \rightarrow \cdot, \$$	error	$S \rightarrow \epsilon \cdot, \$$
find LR(0) items following grammar $A \rightarrow id$	$S \rightarrow \cdot id$	$A \rightarrow \cdot id$	error	$A \rightarrow id \cdot$