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	Assignment-B4.				
	1368				
ok.	Title: - YACC program to validate variable declarations.				
ok	Problem statement: - Write a Program using YACC specifications to				
	implement syntax analysis phase of compiler to validate type and syntax of variable declaration in the				
*	Theosyl- Lex recognizes regular expressions, whereas YACC recognizes grammar cex divides the input stream into tokens while MACC				
1.20 m	uses there tokens & group's them together lagically-				
3)	Syntax:-				
* *	do E				
lane to a	declaration				
	9090				
	rules.				
	glado				
	subsoutines functions.				
*	Dedaration Lection !-				
	Here, the definition section is same as that of Lex, where we can define				
l to	define the symbols used to define the toract of				
	relationship with each other. In posticular, the additional information required to resolve ambiguities in the context-free grammar for the tosget language is provided here:				
	toget language is provided here.				
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-	Harris and the second s
etz	Cosommas xules in YACCI-
-	The rules section defines the CFG to be accepted by the function
	YACC generates. I associates with those rules (-language actions
	& additional precedence information. The grammas is as follows:
	The sole rection is compaired of one or more grammar moralless.
	A grammax rule has the form :-
	A: BODY ',
	A -> non-terminal.
111 N	BOPY -> sequence of zero or more literals & semantic actions
	that can then be followed by optional poeredence sules.].
	Only names & literals participate in the formation of the
	grammar. The comantic actions & procedence rules are used
	In other ways. The colon & the semi-colon are yacc
	purctuation.
	If these are several rules with the same L.H.S., the vertical
	bax 'I' can be used.
,	
*	Programs section 1-
7	mis can include the definition of the forical analyzer yylex() & any
	other functions: foreign those used in the actions specified in the
	grammax rules. It is unspecified whether the programs section
\$* 6815.7 	follows the semantic actions in the output file: therefore, if
141 pr	the application contains any macro delinitions & declarations
	microeu to apply to the code in the comantic actions it is all
	place them within "old do?" in the declaration section.
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<u> </u>	
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•	input	Output	status.
	- 4-	NA Charles de la company	We have the second second
	int a;	Valid Syntax	Pass
2)	int a,b;	valid synitax	Pass
	int a,b,5;	V	Pass
)	int a,b,c	andlid syntax	Pas(·
	4 1 1	71	
2 k	Conclusion:	•	
	We have successful	fully implemented and execut	ed a syntax analyzex
	YACC to volidate	syntax of Java declaration	n statements.
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