Practical no: 5

Problem Statement: Write a program using Lex specifications to implement lexical analysis Phase of compiler to generate tokens of subset of Java program.

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	-	Assignment B-2	Roll no: 02
, 950, 740		sign Lex program for	to generate token of
wright.	phase or	Statement: Write a p specifications to imple f compiler to general	ment lexical analysis
(Theory:	nounterstand Chie sine be senerale	
146°	generation recognized are defined are defined are defined are the matched error matche	ned in a particular is n may have an associated returning a the form of file or te cat a time & condition, then lex performs the other hand, ho regular, further processing sessage lex and a are	are programs that ext. These lexical patterns yntax. A matched regular ciated action. This action token. When lex receives ext, it tokes ilp one ons until a pattern is ne associated action. If ir expression can be tops & Lex displays an itightly coupled. A lex lex utility, & produces olp upled to produce an
	,	Expression in Lex:	
	A r a Meta	egwar expression is a Language. An expression	pattern discription wing is made up of symbols

	Alarena and a secretara becausehers but there			
	formal symbols are characters frombers, but there are other symbols that have special meaning in lex.			
si pi	Programming la Lex:			
Te fine	It divided into 3 steps:			
	1) specify the pattern-associated actions in a form			
	2) Run Lex over this file to generate c code for			
nd.	3> Compile and link the c code to produce the			
- 6-44	executable scanner.			
m. tur	animal modification survitad ladget singual			
11.14.1	Regular expressions are used for pattern matchi			
ilin -	A character class defines a single character 4 non Operators lose their meaning. Two operators supporting a character class are hyphen ("-") & circumflex (""			
41	When used between two characters the hyphen			
1.9	represents a range of characters. The circumflex,			
	when used as first character, hegates the expression			
	If two patterns match the same string the longest			
- I	motel wins. In case both matches are the same			
	length, then the first pattern listed is used			
27374	Activity of the state of the st			
110 .	· definitions			
	9/01/0			
	· rules · · ·			
	% 10			
	subrotines			
11-27 - 12	The specific of the second sec			
1 1/ /	The transfer of the state of th			
	Input to Lex is divided into three sections with			
	%% dividing the sections. This is best illustrated by			
140 0 30	example. The first example is shortest possible lex: 9.			
	Input is copied to olp one character at a time. The			
o bross	first %. is always required as there must always be			
anoi/se	a rule section. However if we don't specify any rules			
- A Park - A Park - A Park	then the default action is to match everything & copy			
	it to output. Defaults for ilp & olp are stdin & stdout.			
	historia de la			
6				
6 . 270	birlsh growing starting of loss of Star			
(0. 210	(anclusion: Volume of the formation of t			
O . 340	Conclusion: voligina de traca analyzer & implemented an			
	Thus, we have studied lexical analyzer & implemented an application for lexical analyzer to perform scan the			
710	Conclusion: voligina de traca analyzer & implemented an			