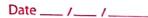


	Date / /	(Saathi)
	Assignment-62	rystalija.
	Alter a ser	15 - 12/15
	And the second of the second o	78
*	Title 1- Lexical analysis to generate tokens.	· 11 1
		Ald - I -
*	Problem statement: Write a problem using LEX s	pecifications to implement
7	lexical analysis phase of compiler to q	generate tokens of
_	subset of Java Pacgram.	1.10
		A visa
*	Objective 1- undesistand the impostance and usage	e of LEX tool.
*		- 1
	Theory:	d affar
	During the first phase of compiler, it reads the	inbut and connexts
1	strings in the source to tokens with regulax	
L	specify fatherns to lex so it can generate a	
	it to scan & match strings in the input.	
	Lex has it's limitations. Lex cannot be used to a	
	stairtuses such as paxantheses.	je ali u
•	C - A - x + 2 a	[5-10] :- I
•		I soil
- 27	any character except	
1	In new line	+ 10/1/1
	tab	(deri
	beginning of time	
	and of line.	
	Table 1:- Sperial characters	
í		
	and the second of the second o	
1		
	II and the second secon	





• >	0-14-0-	method.
	Pattern	zero or one copy of the preceeding exp
		zero or more opies of poerious exp.
	*	one or more opies of previous exp.
	<u>alb</u>	a oxb
	(ab) +	one or more object of (ab).
	"atb"	litaal "a+b"
	abc	abc
	abc *	abe, ab, abec, abecc
	"abc*"	literal cube*
	abc t	abc, abcc, abccc
	a(bc)+	abc, abcbc, abcbcbc
	arliped	in the
		Table 2: operators
	1	· · · · · · · · · · · · · · · · · · ·
• >	Pattern	method
	[abc]	one of: a,b,c
	[a-z]	any letter a-z.
	[a/-2]	one of: a-z
	[-az]	V
	[A-2a-20-9]+	V
-	[1t \n]+	
	[1ab]	
	[a16]	
	[a]b]	
	Lalpj	out of op.
		T1102
		tables: Characles class.
1. TT		
	a transfer	

Function 7 int yylex (void) call to invoke lex, return token char to yetext pointex to matched atting. length of matched stoing. yelval value associated with token. int yoursap (void) weapup, return I if done, O if not FILE tygout author file input file. FILE & yyin Initial staxt algorithm. condition awitch atast condition BEGIN write matched string. ECHO Table 4: Lex predefined values: Regulax expressions are used for pattern matching. A character class defines a single character & normal operators love their meaning. Two operators allowed in a character class are the hyphen ("-") & circumflex ("1"). When used between two characters, the hyphen represents a range of characters. The circumflex, when used as the first character, regales the expression. definitions + do do /* match everything except new line of /* match rewline */



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AN	olodo de la compania del compania del compania de la compania del compania del compania de la compania de la compania del compania dela		
	int yywrap (void) &		
	setum 1;		
	3 111 11 11 11 11 11 11 11 11 11 11 11 1	-	
4 11 5	int main (void) &		
	yylex();	_	
	setusn O') and I allow I allow I allow		
	3 Tomologia ve disconne	4	
	A large tak into the state of t	4	
*	Maxiables of lex program	-	
		_	
1)	yytext(): whenever the scanner matches a token, the text.		
	yytext.	-	
~ ~	the company of the co	1	
<u>a.)</u>	yylen)- cength of yytext.		
2	and section of the se		
	yelex() 1- scannex cocated by the lex has the entry point		
	gylex ().		
*	Iestrases >	1	
	About Exhala ala		
	Input Expected OIP Actual OIP status.	. 4	
<u>;</u>	public static void public static public static void	-	
		-	
		-	
	0)	7	
	function. function Pass. 9,3 => Brackets.	-14	
	int + integer about the int -) integer adaty be		
	a > variable a > variable	- 0	
	2 7accignant, 107 Number = 7 assignment, 107 Number		
- 8	Page No.	-	
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