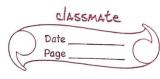
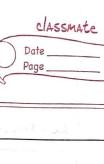


	8th May 2023 (8/5/23)
	Assignment No. 1
	overtion 1
→	Design a lexical analyser for a language. The lexical
	analyser should ignore redundant spaces, tals and new
	line). It should also ignore comments
	i acaid no
→	ELSOUTE Type: L program
->	Program Logil:
	(600 FA 1460)
	there for new variable declarations to confirm identifiess
,	une de tor operators between identifiers and constants
	check for special characters
	check for connents
	Display errors it any are not proper format
	- is on opening or it
\rightarrow	Program: (++
	Acres Vincines 20 1° gg
-	int main () ?
	string code = "code here";
	String Str = "";
-	for lint x=0 i x (wde. length (); x++) }
	war L = LOde [1];
	if (check Operator (1)) }
	cout (c (c " is an operator ";
	if (check Real (str)) &
	cout le str le "is a constant";
	SW = 1111;
	contine;
	ζ

; f (meck tegword (str)) } cour (c str (c" is a keyword") continue; some exist (!(sm===""")) wellowed houses a remain workerstreei's a variable "; sh: "His woner maner olla late on the wall con tinue; A BRIDGE FRIENT COMMENT - lupur: 121900 King 101 6 float a = 60; will for wise variable dealers in to the ideal output: has available between identified and inque elected for special electarists Float is a keyword Harleman, Vot 1820 a isla variable, you and has his borns pully all = is an operator i is a special char THE STATE OF T 60 is a constant i " show shor" is about print! for liver x = 0; x c water lease the so; he +1) } shar c = code (=); 3 (1) I rate to general or 1:1) 3 if the realism 11 ? Leave Hillers:

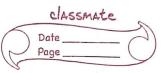


	RULSHON 2
-	write a program to identify whether a given line is a comment or not
	is a comment or not
→	Resource Type: L++ program
	4 ×1 × × × ×
	Program Logic:
	k sprakasti
	Read the import string
	check whether the string starts with and and check
	if the next moracter is '1' or 'k'
	If true, print true
	Elle it is not a comment to say the
\rightarrow	Program:
	Hinch de Liostream >
	Hinche de corringo de como de la monte della monte del
	using namespace sta;
8	int main () }
	string code = " ";
	for (int x = 0; x L wode. length 1); x++) }
	if 1 co de 6x-17 == 1/1)-
	if (to de [x] == '/' 11 to de [x] = = '*')
	cost le ! comment !;
	3 - Lagrant - St. and - and
	3
	1 27 1 2 20 12 12 12 12 12 12 12 12 12 12 12 12 12
	The state of the s



-> Input: // this is a comment 14 this is also */ - fug 100 : Low ment Cow ment Question 3 -> write a program to recognise the strings ak, akl+, abl -> Resource Type: (++ -> Program Logic: By using transition diagram, we verity the imput It the state is final, print true Else print talle - program: State Diagram: $\rightarrow 90 \longrightarrow 9, \longrightarrow 9_2$ #include Lios breams Hinds de Cstrings using namespace sta; int main (1 } string input = " ";

int state = 0;



	A Committee of the comm
	for lint x=0; x l input. length 1); x++) { char i= input (x)
	if (state == 0) }
	in all if (i = = 'a') is a larier our recontrolle
	state = 0; pintele es le sien more
	ir (i = = 161)
	State = di price xuis : as notes la
	3
	16 (State == 1) 2
	if (i== 'a')
	State = -1; wint require the
	mye we had traffelies 'L') prime and replaced to the
	State = 2; 1007 x d 1 rock prints
	ζ
	if 1 state = = 2) 2
	if (i = = 'a') \ M. o. + \ L. o. + \ in its
	State = -1; 20 000 000
	3 (3)
	if (state == D 11 state == 2)
7.9	cout le l'accepted!;
-	3
\rightarrow	Input: alli
	aalba
	1. m. 100. 27.
	Output: 1 Service astick a st voice of another
	1.5% a-vc 1
	aclepted
	rejected
	ક્રાલ . ⊤ર્વેસ .
	14-c-112 3 11 1 12 1



	Question 4
→	Implement the lexical analyser using) Lex, Flex or
	other lexical analysing tools
→	resource: Linux with putty
→	Program Logic:
	read the input string
	cue ex whether the string is identifier key 1 symbol
	using the LEX Tool
\rightarrow	Ingut: vi var. c
	Hinclude LStdio.u>
	int main () ?
	Hoat a, L;
	3
_	Output:
	1ex. ILx.
	cc lex. yy. c
	./a. out val. c
	Findude (Staio. 4) is a PEPRO LESSOR PIRECTIVE
	function
	main (
)
	BLOCK BE GINS
	int is a REYWORD
	a IDENTIFIER
	L IDENTIFIER
	BLOCK ENDS
	BLO OF THO BY