tim! To demonstrate whether input identifies in number or character with LEX 7001.

```
Open Y
  1 %{
  2 #include<stdio.h>
 3 %}
  4 %%
  Stf
  6 else |
7 printf {printf("\n%s is a Keyword", yytext);}
8 [0-9]+ {printf("\n%s is a Number", yytext);}
9 [a-zA<sub>2</sub>Z]+ {printf("\n%s is a Word", yytext);}
10 . |\n {ECHO;}
11 %%
12
13 int main()
14 [
15 printf("(n Enter the String:");
16 yylex();
17 }
18 int yywrap()
19 {
20 return 1;
21 }
                computer@computer-thinkCentre-neo-50t-Gen-3: -/Desktop
   F
   computer@computer-ThinkCentre-neo-... × computer@computer-ThinkCentre-neo-...
 computer@computer-ThinkCentre-neo-50t-Gen-3: $ cd Desktop
computer@computer-ThinkCentre-neo-50t-Gen-3: $ le:
computer@computer-ThinkCentre-neo-50t-Gen-3: $ lex pract3.l
pract3.l:22: EOF-encountered inside an action
computer@computer-ThinkCentre-neo-50t-Gen-3: $ flex pract3.l
pract3.l:22: EOF encountered inside an action
\text{computer@computer-ThinkCentre-neo-50t-Gen-3: } $ flex pract3.l
computer@computer-ThinkCentre-neo-50t-Gen-3: $ gcc lex.yy.c
computer@computer-ThinkCentre-neo-50t-Gen-3: $ 5 ./a.out
  Enter the String:157 Sahil L
157 is a Number
Sahil is a Word
L is a Word
```



Date:

Practical No. 3 Aim: To demonstrate whether input identifier in number or character with LEX toul. Lex in a computer program that generates terrical an adject and was unitten by title less and Exic schmids , lex reads as input stream specifying the knied analyzes and outputs source cock imprementing the kx in the c programming : milispila a. Definition section has one variable which can be accessed inside yylaxi) and main (). 5 RULE SECTION has two scules, first study matches with number (0-9), second tule matches with any character (a-z)(A-z). e. lade section points the given input in number or characters. Fomputing Engineent: proform: wounty. TOOL: FLEX. frozen: #include (statio.h) 7.7 7.7. elye 1 print [print ("In 7.5 us a requiord", yytext); } To-9] + [printf (" m 1.5 is a Number ", 44text); 3 [4-7 A-2] + | print (" In 1.5 in a word", 44 text) } } Page No. _

Conclusion . Thus, the Us program to identify whether the imput identifies in number or chanceled in impremented. Date:

	1 m leano; 3	
	7). 7).	
	m malo ()	
	prints (" In Error the String. ");	
	Attex ();	
	me yyungap()	
3		
	Action 1;	
	1	
	Output:	
<u></u>	Output:	
59,	Enter the string: 157 Sahil L	
	157 in a Number	
11111	Sahil is a world	
	L in a word.	
	Conclusion:	
)	Thus the kx program to identify whether the	
	Hentifice is number or character is implemented.	mpax
	a manufact or injurior is materialistical.	
	No.	
	Vina vine questions:	
	what is the Jule to define members in LEX?	
→	To the south Jefing humber in UEX CO-03 is	bra
(3)	what is the stude to define charactery in LEX?	
	To define characters 19. smart and capital [a	
		- L. J. any
	[A-Z] are used.	
	Page No.	



	Date :
3	what is the sale to define no number and no characters. N[0-9], N[a-2], N[A-2]
→ ⊕	what in difference beto yylex() and scanf()_ yylex() in used to accept input and can parwer, but scanf() for only accepting dots.
<u>0</u>	How in the instruction in first section used? It in copied as it in into tex.44.c.
N.	
-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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