

```

1 Input File:
2 Enter the file name with.txt extension
3 lex1.txt
4
5 Input file "lex1.txt"
6 #include stdio.h
7 void f(void);
8 int main(void){
9     int i;
10    for(i=red; i<blue; i++)
11        f();
12    return ;
13 }
14 void fruit(void)
15 {
16     const short int j = 25a;
17     int a25;
18     signed auto float variable=abc==def;
19     if j!=key && j>=ghj
20         printf("%d",j);
21     j++;
22     j=j*(abc!=def&&q);
23 }

```

Output:

Symbol Table

TOKEN NAME	TOKEN TYPE	OCCURENCES	LINE NUMBERS
auto	KEYWORD	1	13
float	KEYWORD	1	13
for	KEYWORD	1	5
const	KEYWORD	1	11
if	KEYWORD	1	14
int	KEYWORD	4	3,4,11,12
void	KEYWORD	5	2,3,9
return	KEYWORD	1	7
short	KEYWORD	1	11
signed	KEYWORD	1	13
*	ARITHMETIC OPERATOR	1	17
%	ARITHMETIC OPERATOR	1	15
<	RELATIONAL OPERATOR	1	5
>=	RELATIONAL OPERATOR	1	14

58	==	RELATIONAL OPERATOR	1	13	
59					
60	!=	RELATIONAL OPERATOR	2	14,17	
61					
62	&&	CONDITIONAL OPERATOR	2	14,17	
63					
64	=	ASSIGNMENT OPERATOR	4	5,11,13,17	
65					
66	++	INC-DEC OPERATOR	2	5,16	
67					
68	{	PUNCTUATION SYMBOL	2	3,10	
69					
70	,	PUNCTUATION SYMBOL	1	15	
71					
72	;	PUNCTUATION SYMBOL	12		↗
73		2,4,5,6,7,11,12,13,15,16,17			
74	}	PUNCTUATION SYMBOL	2	8,18	
75					
76		PUNCTUATION SYMBOL	45		↗
77		1,2,3,4,5,6,7,9,11,12,13,14,15,16,17			
78	#	INVALID	1	1	
79					
80	include	IDENTIFIER	1	1	
81					
82	stdio	IDENTIFIER	1	1	
83					
84	.	INVALID	1	1	
85					
86	h	IDENTIFIER	1	1	
87					
88	f	IDENTIFIER	2	2,6	
89					
90	(INVALID	7	2,3,5,6,9,15,17	
91					
92)	INVALID	7	2,3,5,6,9,15,17	
93					
94	main	IDENTIFIER	1	3	
95					
96	i	IDENTIFIER	4	4,5	
97					
98	red	IDENTIFIER	1	5	
99					
100	blue	IDENTIFIER	1	5	
101					
102	fruit	IDENTIFIER	1	9	
103					
104	j	IDENTIFIER	7	11,14,15,16,17	
105					
106	25a	INVALID	1	11	
107					
108	a25	IDENTIFIER	1	12	
109					
110	variable	IDENTIFIER	1	13	
111					
112	abc	IDENTIFIER	2	13,17	

113				
114	def	IDENTIFIER	2	13,17
115				
116	key	IDENTIFIER	1	14
117				
118	ghj	IDENTIFIER	1	14
119				
120	printf	IDENTIFIER	1	15
121				
122	"	INVALID	2	15
123				
124	d	IDENTIFIER	1	15
125				
126	q	IDENTIFIER	1	17
127				