```
1
     Input File:
 2
     Enter the file name with.txt extension
 3
     lex1.txt
 4
 5
     Input file "lex1.txt"
     #include stdio.h
 6
 7
     void f(void);
 8
     int main(void){
 9
          int i:
          for(i=red; i<blue; i++)</pre>
10
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
     }
24
25
     Output:
26
                       Symbol Table
27
28
          TOKEN NAME
                           TOKEN TYPE
                                             OCCURENCES LINE NUMBERS
29
30
                       auto
                                              KEYWORD
                                                               1
                                                                             13
31
                      float
                                              KEYWORD
                                                               1
                                                                             13
32
33
34
                                                                              5
                        for
                                              KEYWORD
                                                               1
35
36
                                              KEYWORD
                                                               1
                                                                             11
                      const
37
38
                         if
                                              KEYWORD
                                                               1
                                                                             14
39
                                              KEYWORD
                                                               4
                                                                              3,4,11,12
40
                        int
41
42
                       void
                                              KEYWORD
                                                               5
                                                                              2,3,9
43
44
                     return
                                              KEYWORD
                                                               1
                                                                              7
45
46
                      short
                                              KEYWORD
                                                               1
                                                                             11
47
48
                     signed
                                              KEYWORD
                                                               1
                                                                             13
49
50
                          *
                                 ARITHMETIC OPERATOR
                                                               1
                                                                             17
51
                                 ARITHMETIC OPERATOR
52
                          %
                                                               1
                                                                             15
53
54
                                 RELATIONAL OPERATOR
                                                               1
                                                                             5
                          <
55
56
                                 RELATIONAL OPERATOR
                                                               1
                                                                             14
                         >=
57
```

Page 2 of 3
Section   Sect
61 62 68 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 2,4,5,6,7,11,12,13,15,16,17 73 74 } PUNCTUATION SYMBOL 2 8,18 75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17 77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
63 64 64 65 65 66 67 68 67 68 69 70 70 71 72 73 74 74 75 76 77 78 78 79 80 include 1 DENTIFIER 1 1 5,11,13,17  4 5,11,13,17  4 5,11,13,17  6 5,11,13,17  6 5,11,13,17  6 5,11,13,17  6 5,11,13,17  6 7,11,13,17  7 8 7 8 7 9 8 1
65 66 67 68 68 69 70 70 70 71 72 72 73 74 74 75 76 77 78 78 78 79 80 include FUNCTUATE FUNCTUFITION FUNCTOR FUNCTURATION F
## INC-DEC OPERATOR 2 5,16    Family of the content
<pre>68</pre>
70 70 71 71 72 ; PUNCTUATION SYMBOL 12 2,4,5,6,7,11,12,13,15,16,17  73 74 } PUNCTUATION SYMBOL 2 8,18  75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17  77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
71 72 ; PUNCTUATION SYMBOL 12 2,4,5,6,7,11,12,13,15,16,17  73 74 } PUNCTUATION SYMBOL 2 8,18  75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17  77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
72 ; PUNCTUATION SYMBOL 12 2,4,5,6,7,11,12,13,15,16,17  73 74 } PUNCTUATION SYMBOL 2 8,18  75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17  77 78 # INVALID 1 1  79 80 include IDENTIFIER 1 1
73 74 75 76 PUNCTUATION SYMBOL 2 8,18 75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17 77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
74
75 76 PUNCTUATION SYMBOL 45 1,2,3,4,5,6,7,9,11,12,13,14,15,16,17  77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
1,2,3,4,5,6,7,9,11,12,13,14,15,16,17  77 78
77 78 # INVALID 1 1 79 80 include IDENTIFIER 1 1
79 80 include IDENTIFIER 1 1
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
88 f IDENTIFIER 2 2,6
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
96 i IDENTIFIER 4 4,5
97   98   red IDENTIFIER 1 5
99
100 blue IDENTIFIER 1 5
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
abc IDENTIFIER 2 13,17

/home/himansu/output Page 3 of 3		Sunday 2	24 August	2014	06:32:18	PM	IST	
113								
114	def	IDENTIFIER	2		13,17	7		
115								
116	key	IDENTIFIER	1		14			
117								
118	ghj	IDENTIFIER	1		14			
119								
120	printf	IDENTIFIER	1		15			
121								
122	п	INVALID	2		15			
123			_					
124	d	IDENTIFIER	1		15			
125		TOFNITTEED	-		17			
126	q	IDENTIFIER	1		17			
127								