```
1 C:\Users\Teoman\Desktop\CSE0405\cmake-build-debug\
   CSE0405.exe
2 Enter directory >>C:\Users\Teoman\Desktop\code
 3
4 C:\Users\Teoman\Desktop\code\main.cpp
 5
                          5
                                  >>include
 6 Keyword
                  >>
 7 Keyword
                          1
                                  >>using
                  >>
                          1
8 Keyword
                                  >>namespace
                  >>
9 Keyword
                          4
                                  >>int
                  >>
10 Keyword
                          1
                                  >>struct
                  >>
11 Keyword
                          3
                                  >>char
                  >>
                          3
12 Keyword
                  >>
                                  >>if
13 Keyword
                          8
                                  >>NULL
                  >>
14 Keyword
                          4
                                  >>while
                  >>
15 Keyword
                          1
                                  >>else
                  >>
16
17 Total
                          10
                                  >>Keyword
                  >>
18
19 *********
20
21 Operator
                          5
                  >>
                                  >>*
22 Operator
                          34
                                  >>=
                  >>
                          50
23 Operator
                                  >><<
                  >>
24 Operator
                          1
                  >>
                                  >>==
25 Operator
                  >>
                          4
                                  >>!=
26 Operator
                          13
                                  >>->
                  >>
27 Operator
                          24
                                  >>&
                  >>
28 Operator
                          1
                                  >>++
                  >>
29 Operator
                          9
                                  >>+=
                  >>
30 Operator
                          7
                                  >>+
                  >>
31 Operator
                          2
                  >>
                                  >>.
32
33 Total
                          11
                                  >>Operator
                  >>
34
35 **********
36
37 Special Char
                          5
                  >>
                                  >>#
38 Special Char
                          71
                  >>
                                  >>;
39 Special Char
                          43
                                  >>(
                  >>
40 Special Char
                          44
                                  >>)
                  >>
```

File - (CSE0405			
41	Special Char	>>	8	>>{
42	Special Char	>>	7	>>[
43	Special Char	>>	7	>>]
44	Special Char	>>	51	>>,
45	Special Char	>>	8	>>}
46				
47	Total	>>	9	>>Special Char
48				
49	*****	*****	*****	*****
50				
51	Num Const	>>	1	>>16
52	Num Const	>>	2	>>64
53	Num Const	>>	1	>>1048576
54	Num Const	>>	12	>>0
55	Num Const	>>	1	>>262144
56	Num Const	>>	1	>>32
57				
58	Total	>>	6	>>Num Const
59				
60	****	*****	*****	****
61				
62	String	>>	1	>>"utility.h"
63	String	>>	1	>>"lex0ps.h"
64	String	>>	2	>>"\\"
65	String	>>	1	>>"Enter
66	String	>>	1	>>directory\t>>"
67	String	>>	1	>>"Nonexistent
68	String	>>	1	>>Directory!!!"
69	String	>>	4	>>"
70	String	>>	2	>>\n\t"
71	String	>>	2	>>"Keyword"
72	String	>>	2	>>"Operator"
73	String	>>	3	>>"Special
74	String	>>	2	>>Char"
75	String	>>	3	>>"Char
76	String	>>	4	>>Const"
77	String	>>	3	>>"Num
78	String	>>	2	>>"String"
	String	>>	2	>>"Array"
80	String	>>	2	>>"Identifier"
81	String	>>	1	>>"LexSum

File - CS	E0405					
82	String	>>	2	>>Is:"		
83	String	>>	1	>>"GrandSum		
84	String	>>	2			
	>>"***********************************					
85	String	>>	2	>>"Grand		
86	String	>>	1	>>Summation"		
87	String	>>	1	>>"Keyword\t\t>>"		
88	String	>>	1	>>"Operator\t>>"		
89	String	>>	1	>>Char\t>>"		
90	String	>>	2	>>Const\t>>"		
91	String	>>	1	>>"String\t\t>>"		
92	String	>>	1	>>"Array\t\t>>"		
93	String	>>	1	>>"Identifier\t>>"		
94	String	>>	1	>>Sum\t>>"		
95	String	>>	1	>>"PAUSE"		
96	String	>>	1	>>"EXIT"		
97						
98	Total	>>	35	>>String		
99						
100	****	*****	****	****		
101						
102	Array	>>	4	>>nameBuffer		
103	Array	>>	5	>>directory		
104	Array	>>	7	>>dirBuffer		
105	Array	>>	1	>>fileBuffer		
106	Array	>>	3	>>file		
107	Array	>>	2	>>tokenBuffer		
108						
109	Total	>>	6	>>Array		
110						
111	****	*****	*****	****		
112						
113	Identifier	>>	1	>> <iostream></iostream>		
114	Identifier	>>	1	>> <string.h></string.h>		
115	Identifier	>>	1	>> <dirent.h></dirent.h>		
116	Identifier	>>	1	>>std		
117	Identifier	>>	1	>>main		
118	Identifier	>>	1	>>DIR		
119	Identifier	>>	5	>>dir		
120	Identifier	>>	1	>>dirent		
121	Identifier	>>	5	>>entity		

File - CS	E0405			
122	Identifier	>>	3	>>totalGsum
123	Identifier	>>	3	>>totalKey
124	Identifier	>>	3	>>totalOp
125	Identifier	>>	3	>>totalSp
126	Identifier	>>	3	>>totalCh
127	Identifier	>>	3	>>totalNum
128	Identifier	>>	3	>>totalStr
129	Identifier	>>	3	>>totalArr
130	Identifier	>>	3	>>totalId
131	Identifier	>>	15	>>cout
132	Identifier	>>	1	>>gets
133	Identifier	>>	3	>>strcpy
134	Identifier	>>	1	>>opendir
135	Identifier	>>	22	>>endl
136	Identifier	>>	1	>>exit
137	Identifier	>>	2	>>readdir
138	Identifier	>>	2	>>strcat
139	Identifier	>>	1	>>d_name
140	Identifier	>>	1	>>checkPath
141	Identifier	>>	6	>>bufferP
142	Identifier	>>	2	>>lexNode
143	Identifier	>>	4	>>parseHead
144	Identifier	>>	13	>>parseP
145	Identifier	>>	4	>>headNode
146	Identifier	>>	20	>>headP
147	Identifier	>>	3	>>kc
148	Identifier	>>	3	>>0C
149	Identifier	>>	3	>>spc
150	Identifier	>>	3	>>ccc
151	Identifier	>>	3	>>ncc
152	Identifier	>>	3	>>sc
153	Identifier	>>	3	>>ac
154	Identifier	>>	3	>>ic
155	Identifier	>>	4	>>grandSum
156	Identifier	>>	3	>>lexSum
157	Identifier	>>	1	>>getFile
158	Identifier	>>	2	>>strtok
159	Identifier	>>	2	>>appendLex
160	Identifier	>>	10	>>next
161	Identifier	>>	1	>>setType
162	Identifier	>>	1	>>searchFreq

File - CSE0405

```
163 Identifier
                            2
                                    >>lex
                    >>
164 Identifier
                            1
                                    >>type
                    >>
165 Identifier
                            8
                                    >>printType
                    >>
166 Identifier
                            1
                                    >>countTotalFreq(
                    >>
167 Identifier
                            7
                                    >>countTotalFreq
                    >>
168 Identifier
                            2
                                    >>system
                    >>
169
170 Total
                            56
                                    >>Identifier
                    >>
171
172 ************
173
174 LexSum Is:133
175
176 GrandSum Is:735
177
178
179 C:\Users\Teoman\Desktop\code\utility.h
180
181 Keyword
                            1
                                    >>include
                    >>
182 Keyword
                            1
                                    >>bool
                    >>
183 Keyword
                            4
                                    >>char
                    >>
184 Keyword
                            2
                                    >>if
                    >>
185 Keyword
                            2
                                    >>return
                    >>
186 Keyword
                            1
                                    >>true
                    >>
187 Keyword
                            1
                    >>
                                    >>else
188 Keyword
                            1
                                    >>false
                    >>
189 Keyword
                            1
                                    >>void
                    >>
                                    >>int
190 Keyword
                            1
                    >>
191 Keyword
                            1
                                    >>while
                    >>
192
193 Total
                            11
                                    >>Keyword
                    >>
194
195 **********
196
197 Operator
                            5
                    >>
                                    >>*
198 Operator
                            6
                                    >>=
                    >>
199 Operator
                            1
                                    >>!=
                    >>
200 Operator
                            1
                                    >>++
                    >>
201
202 Total
                            4
                                    >>Operator
                    >>
203
```

File - CS	File - CSE0405						
204	*****	*****	*****	****			
205							
206	Special Char	>>	1	>>#			
207	Special Char	>>	11	>>(
208	Special Char	>>	11	>>)			
209	Special Char	>>	6	>>{			
210	Special Char	>>	3	>>,			
211	Special Char	>>	11	>>;			
212	Special Char	>>	6	>>}			
213	Special Char	>>	2	>>[
214	Special Char	>>	2	>>]			
215							
216	Total	>>	9	>>Special Char			
217							
218	*****	*****	*****	****			
219							
220	Char Const	>>	1	>>'\0'			
221							
222	Total	>>	1	>>Char Const			
223							
224	*****	*****	*****	****			
225							
226	Num Const	>>	1	>>0			
227							
228	Total	>>	1	>>Num Const			
229							
230	*******						
231							
	String	>>	2	>>"r+"			
233							
	Total	>>	1	>>String			
235							
	*****	*****	*****	****			
237			_				
	Identifier	>>	1	>> <iostream></iostream>			
	Identifier	>>	1	>>checkPath			
	Identifier	>>	2	>>path			
	Identifier	>>	2	>>FILE			
	Identifier	>>	7	>>fp			
	Identifier	>>	2	>>fopen			
244	Identifier	>>	2	>>fclose			
-							

```
245 Identifier
                        1
                              >>getFile
                 >>
246 Identifier
                        2
                              >>directory
                 >>
247 Identifier
                        3
                              >>file
                 >>
248 Identifier
                        3
                 >>
                              >>C
249 Identifier
                        4
                              >>i
                >>
250 Identifier
                        1
                              >>qetc
                >>
251 Identifier
                        1
                              >>E0F
               >>
252
                       14 >>Identifier
253 Total
                 >>
254
255 ***********
256
257 LexSum Is:41
258
259 GrandSum Is:118
260
261 **********
262 Grand Summation
263 ***********
264
265 Keyword
                 >>47
266 Operator
                >>163
               >>297
267 Special Char
268 Char Const
                >>1
269 Num Const
                 >>19
270 String
                >>61
271 Array
                >>22
272 Identifier
               >>243
273 Grand Sum
                >>853
274
275 Press any key to continue . . .
```