

```

1 using System;
2 using System.IO;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Text;
6 //using System.Threading.Tasks;
7 using System.Globalization;
8
9 /// <summary>
10 /// Name: Markus Johan Haugsdal
11 /// Class: CSC 446 Compiler Construction
12 /// Assignment: 1
13 /// Due Date: 01.02.2017
14 /// Instructor: Hamer
15 ///
16 /// Description: Main Driver for compiler assignment 1
17 ///
18 /// </summary>
19
20
21 namespace Assignment1
22 {
23     class Program
24     {
25         public static void Main(string[] args)
26         {
27             //Because my computer is european, and we use , and not . for
                numbers!
28             CultureInfo.DefaultThreadCurrentCulture = new CultureInfo("us-US");
29             CultureInfo.DefaultThreadCurrentUICulture = new CultureInfo("us-
                US");
30
31             //variables
32             string fileName;
33
34             //for debugging
35             // fileName = "test2.adb";
36
37
38             //if not two arguments
39             if (args.Length != 1)
40             {
41                 Console.WriteLine("Usage: \"program name\".exe, \"filename\"");
42             }
43
44             else
45             {
46                 fileName = args[0]; // args
47                 StreamReader sr = new StreamReader(fileName);
48                 //classes
49                 lexicalScanner lx = new lexicalScanner(fileName, sr);
50                 //for return
51                 lexicalScanner.Token token = new lexicalScanner.Token();
52
53                 lx.createDictionary();
54                 string output = String.Format("{0,-15} {1,-15} ", "Token"

```

```

55                 , "Lexeme");
56
57                 Console.WriteLine(output);
58
59                 int j = 0;
60
61                 //While NOT eof
62                 while (token.token != lexicalScanner.SYMBOL.eof )
63                 {
64
65
66                     token = lx.getNextToken();
67
68                     if(j > 20)
69                     {
70                         Console.WriteLine("Press any key to continue...");
71                         Console.ReadKey();
72                         j = 0;
73                     }
74                     lx.printToken(token);
75
76                     j++;
77                 } // end while NOT eof
78                 Console.WriteLine("Tokens processed: " + lexicalScanner.i);
79             }
80         }
81     }
82 }
83

```