The Github URL is:

The commit log is given below:

```
$ git reflog
6728dbc HEAD@{0}: commit: Added the index number of line
320dcca HEAD@{1}: commit: Added code for addressing the error character:
db1811b HEAD@{2}: commit: Added the error message with line number and character
de0c45d HEAD@{3}: commit: Added a condition to check whether the nextToken is NEWLINE or not
a318468 HEAD@{4}: commit: Making the variables len, read and line global variables
c30c7aa HEAD@{5}: pull: Merge made by the 'recursive' strategy.
7f634c2 HEAD@{6}: checkout: moving from temp to master
7f634c2 HEAD@{7}: checkout: moving from 7f634c23c181f7d40cd96410837ca0fb7c7790a4 to temp
7f634c2 HEAD@{8}: commit: Added support for reading multiple lines
a095b7c HEAD@{9}: commit: Added global variable line number to track the line number:
7aa5785 HEAD@{10}: checkout: moving from master to 7aa5785
296e3ac HEAD@{11}: commit: Syntax typo removed
45abb28 HEAD@{12}: reset: moving to 45abb28cb6a3539bd14f9cc891a2e2a78984737a
7aa5785 HEAD@{13}: commit: Added newline character to parse each expression present in each line
45abb28 HEAD@{14}: commit: The program works for one expression. Need to make it work for multiple expression line by line
e7577aa HEAD@{15}: commit: Dumping out the syntax analysis part including expr(), term(), factor() functions
3ff5060 HEAD@{16}: commit (initial): Dumped the lexical analysis part of the assignment. Working only for one line
```

The major Git log is:

commit 6728dbcfa57328b635da6472d13364cf81b2573e
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:28:17 2017 -0400

    Added the index number of line

commit 320dcca28e6762695a4cd64cbfabbed54864929b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:18:55 2017 -0400

    Added code for addressing the error character:

commit db1811b570016fc76f7aecb2eed0738f9da43400
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:06:16 2017 -0400

    Added the error message with line number and character

commit de0c45d3ee5952c2a7ef0c3d6fc5a4bdf8bc312a
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:54:35 2017 -0400

    Added a condition to check whether the nextToken is NEWLINE or not

commit a3184684f43400de63559e9c948b52f8418e6ff4
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:12:44 2017 -0400

    Making the variables len, read and line global variables

commit c30c7aa1ed5acc74cd5a67f89765fe2aa50cbf3b
Merge: 7f634c2 296e3ac
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:10:07 2017 -0400
:...skipping...
commit 6728dbcfa57328b635da6472d13364cf81b2573e
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:28:17 2017 -0400

    Added the index number of line

commit 320dcca28e6762695a4cd64cbfabbed54864929b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:18:55 2017 -0400

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Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:06:16 2017 -0400

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Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:54:35 2017 -0400

    Added a condition to check whether the nextToken is NEWLINE or not

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Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:12:44 2017 -0400

    Making the variables len, read and line global variables

commit c30c7aa1ed5acc74cd5a67f89765fe2aa50cbf3b
Merge: 7f634c2 296e3ac

Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:10:07 2017 -0400

:...skipping...
commit 6728dbcfa57328b635da6472d13364cf81b2573e
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:28:17 2017 -0400

    Added the index number of line

commit 320dcca28e6762695a4cd64cbfabbed54864929b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:18:55 2017 -0400

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Date: Thu Mar 23 13:54:35 2017 -0400

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Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:12:44 2017 -0400

    Making the variables len, read and line global variables

commit c30c7aa1ed5acc74cd5a67f89765fe2aa50cbf3b
Merge: 7f634c2 296e3ac
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:10:07 2017 -0400

    Merge branch 'master' of github.com:susanbhattarai/CSCI350SyntaxAnalysisAssignment

commit 7f634c23c181f7d40cd96410837ca0fb7c7790a4
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>

Date: Thu Mar 23 13:04:50 2017 -0400

    Added support for reading multiple lines

commit a095b7ccd6fb7112867f2b1229e29ac0e9deaf1b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 12:51:12 2017 -0400

    Added global variable line number to track the line number:

commit 296e3ac76a4cc85e6ef8a72fb94357d7bcdce093
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Sun Mar 19 17:00:39 2017 -0400

    Syntax typo removed
:...skipping...
commit 6728dbcfa57328b635da6472d13364cf81b2573e
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:28:17 2017 -0400

    Added the index number of line

commit 320dcca28e6762695a4cd64cbfabbed54864929b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:18:55 2017 -0400

    Added code for addressing the error character:

commit db1811b570016fc76f7aecb2eed0738f9da43400
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 23:06:16 2017 -0400

    Added the error message with line number and character

commit de0c45d3ee5952c2a7ef0c3d6fc5a4bdf8bc312a
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:54:35 2017 -0400

    Added a condition to check whether the nextToken is NEWLINE or not

commit a3184684f43400de63559e9c948b52f8418e6ff4
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:12:44 2017 -0400

Making the variables len, read and line global variables

commit c30c7aa1ed5acc74cd5a67f89765fe2aa50cbf3b
Merge: 7f634c2 296e3ac
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:10:07 2017 -0400

    Merge branch 'master' of github.com:susanbhattarai/CSCI350SyntaxAnalysisAssignment

commit 7f634c23c181f7d40cd96410837ca0fb7c7790a4
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 13:04:50 2017 -0400

    Added support for reading multiple lines

commit a095b7ccd6fb7112867f2b1229e29ac0e9deaf1b
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Thu Mar 23 12:51:12 2017 -0400

    Added global variable line number to track the line number:

commit 296e3ac76a4cc85e6ef8a72fb94357d7bcdce093
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Sun Mar 19 17:00:39 2017 -0400

    Syntax typo removed
commit 7aa57855ac888729cb4d20bb0541534c11f2e24f
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Sun Mar 19 16:44:13 2017 -0400

    Added newline character to parse each expression present in each line

commit 45abb28cb6a3539bd14f9cc891a2e2a78984737a
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Sun Mar 19 16:24:58 2017 -0400

    The program works for one expression. Need to make it work for multiple expression line by
line

commit e7577aa6352ef4f1d482ca076f08990a57a5ddef
Author: Susan Bhattarai <susan.bhattarai@bison.howard.edu>
Date: Sun Mar 19 16:22:35 2017 -0400

Dumping out the syntax analysis part including expr(), term(), factor() functions

Dumped the lexical analysis part of the assignment. Working only for one line

The special instruction to compile the program in Unix Environment or Mac Environment is:

```
gcc parser.c
./a.out
```

(The name of textfile is front.in)