COVER PAGE

CS323 Programming Assignments

Fill out all entries 1 - 6. If not, there will be deductions!

1. Names [1. Lambert Liu], (ThumbUP [✓] or ThumbDown [ ]) **Peer Review (Check one)**

   [2. Kun Fang], (ThumbUP [✓] or ThumbDown [ ])

   [**if 3**.], (ThumbUP [ ] or ThumbDown [ ])

2. Assignment Number [1]

3. Turn-In Dates: **Final Iteration with Documentation** [09-28-2019]

4. Executable FileName [~~lexical_analyzer.cpp~~] run.exe EC: lexical_analyzer.py
   (A file that can be executed without compilation by the instructor)

5. LabRoom [CS 101]
   (Execute your program in a lab in the CS building before submission)

6. Operating System/Language [C++/Windows] EC. Python

To be filled out by the Instructor:

GRADE:

COMMENTS:

Curr. State	Inputs							
	L	D	S	O	!	$	.	sp
1	2	4	10	8	6	1	1	1
2	2	2	3	3	3	2	3	3
(3)	1	1	1	1	1	1	1	1
4	5	4	5	5	5	5	12	5
(5)	1	1	1	1	1	1	1	1
6	6	6	6	6	7	6	6	6
(7)	1	1	1	1	1	1	1	1
8	9	9	9	8	9	9	9	9
(9)	1	1	1	1	1	1	1	1
10	11	11	10	11	11	11	11	11
(11)	1	1	1	1	1	1	1	1
12	13	12	13	13	13	13	13	13
(13)	1	1	1	1	1	1	1	1

1. Starting State
2. In Identifier
3. End Identifier
4. In Number
5. End Number
6. In !! Comment
7. End !! Comment
8. In Operator
9. End Operator
10. In Separator
11. End Separator
12. In Real
13. End Rea

L: Letter
D: Digit
S: Separator
O: Operator
sp: space

$F = \{3, 5, 7, 9, (1, 13\}$

R^* – kleene closure ~~$(L|D)^*$~~

$\lambda \cdot (L|D|\$)^*$