Compilers Project #1

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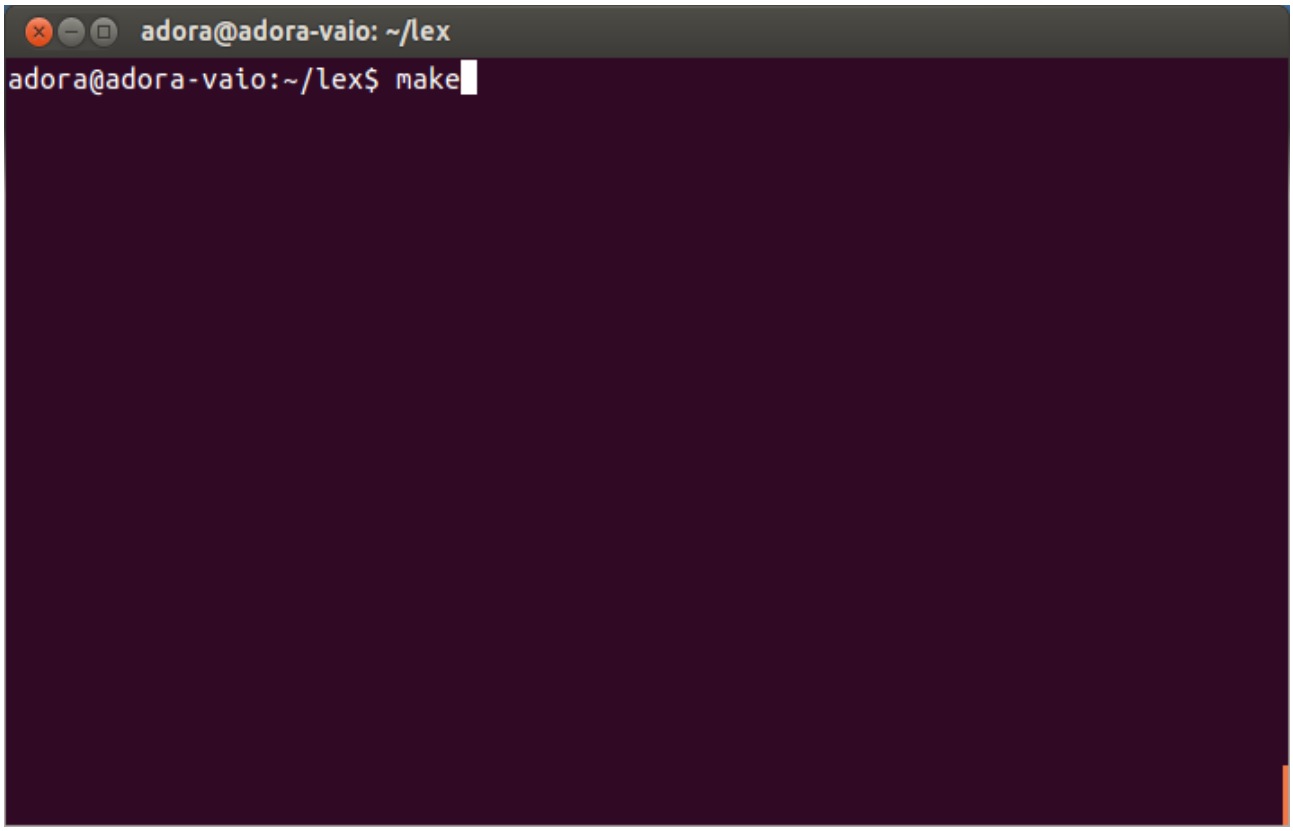
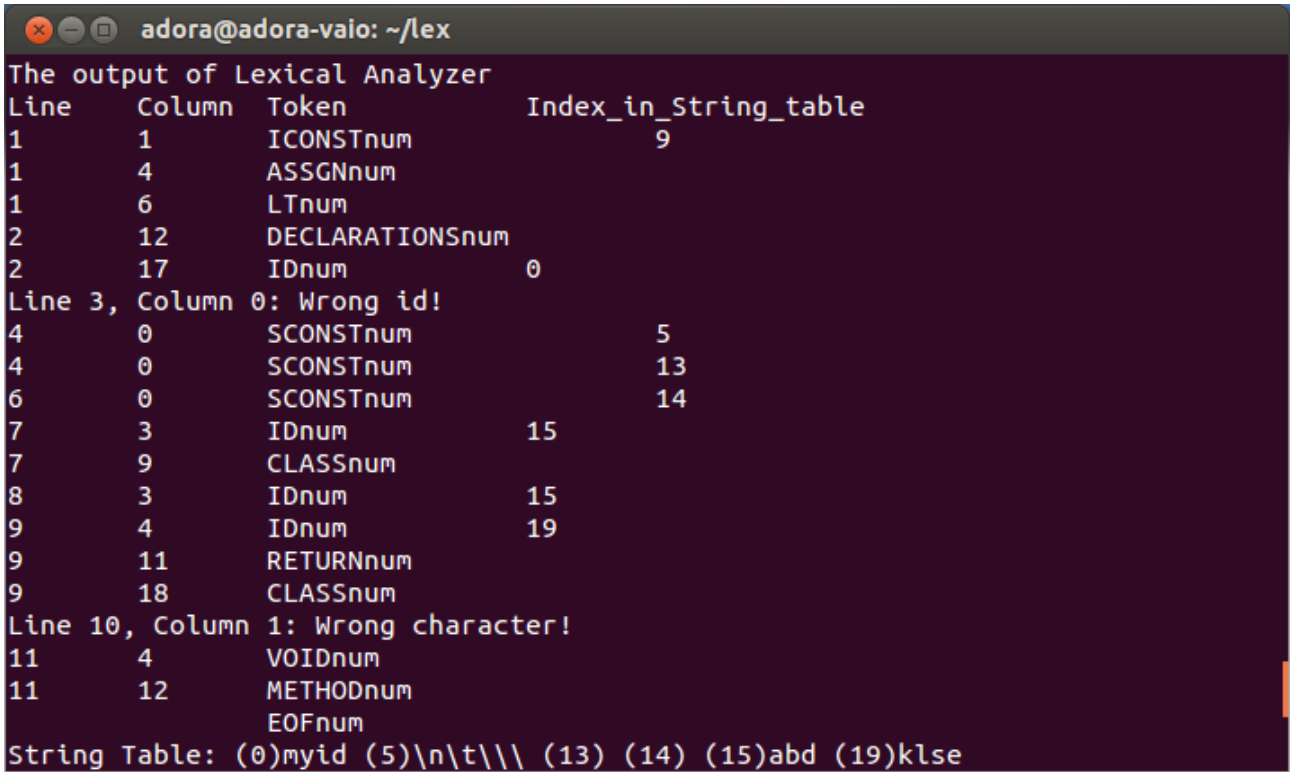
To run the project, simply run make in your command line environment:
make



Screenshot of the output of the first program:
//Sorry I wasn't able to make the output look aligned... But the values are correct.



The output of the first text program (test1.mjava):

The output of Lexical Analyzer

Line	Column	Token	Index_in_String_table
1	1	ICONSTnum	9
1	4	ASSGNnum	
1	6	LTnum	
2	12	DECLARATIONSnum	
2	17	IDnum	0

Line 3, Column 0: Wrong id!

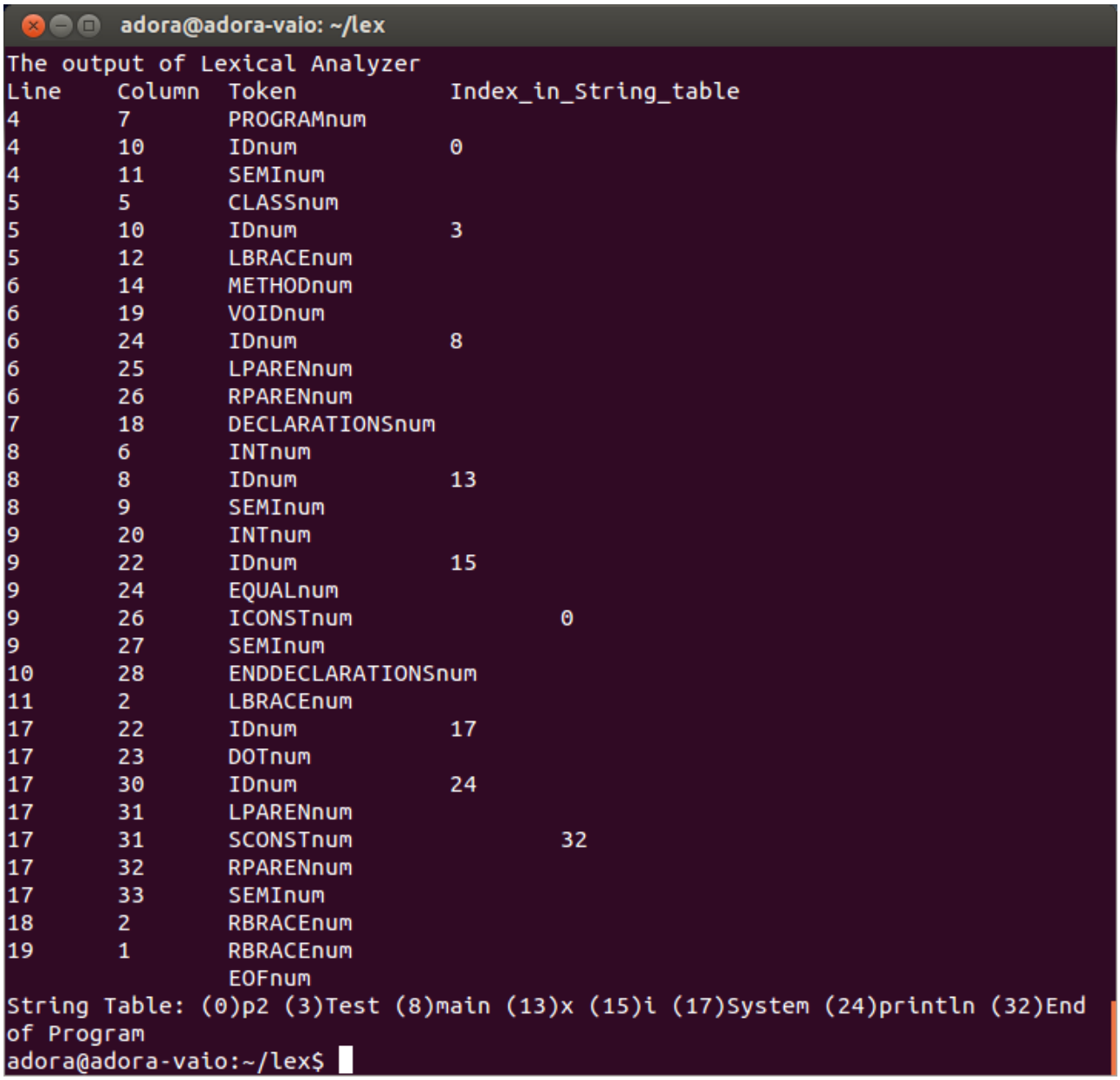
4	0	SCONSTnum	5
4	0	SCONSTnum	13
6	0	SCONSTnum	14
7	3	IDnum	15
7	9	CLASSnum	
8	3	IDnum	15
9	4	IDnum	19
9	11	RETURNnum	
9	18	CLASSnum	

Line 10, Column 1: Wrong character!

11	4	VOIDnum	
11	12	METHODnum	
		EOFnum	

String Table: (0)myid (5)\n\t\\\ (13) (14) (15)abd (19)klse

Screenshot of the output of the second program:



The output of the second text program (test2.mjava):

The output of Lexical Analyzer

Line	Column	Token	Index_in_String_table
4	7	PROGRAMnum	
4	10	IDnum	0
4	11	SEMInum	
5	5	CLASSnum	
5	10	IDnum	3
5	12	LBRACEnum	
6	14	METHODnum	
6	19	VOIDnum	
6	24	IDnum	8
6	25	LPARENnum	
6	26	RPARENnum	
7	18	DECLARATIONSnum	
8	6	INTnum	
8	8	IDnum	13
8	9	SEMInum	
9	20	INTnum	
9	22	IDnum	15
9	24	EQUALnum	
9	26	ICONSTnum	0
9	27	SEMInum	
10	28	ENDDECLARATIONSnum	
11	2	LBRACEnum	
17	22	IDnum	17

17	23	DOTnum	
17	30	IDnum	24
17	31	LPARENnum	
17	31	SCONSTnum	32
17	32	RPARENnum	
17	33	SEMInum	
18	2	RBRACEnum	
19	1	RBRACEnum	
		EOFnum	

String Table: (0)p2 (3)Test (8)main (13)x (15)i (17)System (24)println (32)End of Program