SYMBOL TABLE for tstcalculator.lusd

Total Tokenized Lexemes :502
Elapsed Time :0.0038101673126220703

LINE	LEXEME	TOKEN
1	// Sample Luseed Program with Elements	COMMENT_SNGLELINE
3	/*Define a class named Calculator public class Calculator */	COMMENT_MLTILINE
3	{	DELIM_OPEN_CURLY_BRACKET
4	// Define different types of constants	COMMENT_SNGLELINE
5	const	KEYWORD_CONST
5	float	KEYWORD_FLOAT
5	pi	IDENTIFIER
5	=	OP_ASSIGNMENT
5	3.0f	FLOAT_LITERAL
5	;	DELIM_STMT_TERMINATOR
5	// Floating-point constant	COMMENT_SNGLELINE
6	const	KEYWORD_CONST
6	double	KEYWORD_DOUBLE
6	gravity	IDENTIFIER
6	=	OP_ASSIGNMENT
6	9	INT_LITERAL
6	;	DELIM_STMT_TERMINATOR
6	// Double constant	COMMENT_SNGLELINE
7	const	KEYWORD_CONST
7	str	KEYWORD_STR
7	appName	IDENTIFIER
7	=	OP_ASSIGNMENT
7	"Luseed Calculator"	STRING_LITERAL
7	;	DELIM_STMT_TERMINATOR

LINE	LEXEME	TOKEN
7	// String constant	COMMENT_SNGLELINE
8	constant	KEYWORD_CONST
8	int	KEYWORD_INT
8	version	IDENTIFIER
8	=	OP_ASSIGNMENT
8	1	INT_LITERAL
8	;	DELIM_STMT_TERMINATOR
8	// Integer constant	COMMENT_SNGLELINE
9	constant	KEYWORD_CONST
9	bool	KEYWORD_BOOL
9	isOn	IDENTIFIER
9	=	OP_ASSIGNMENT
9	true	KEYWORD_TRUE
9	// Bool Constant	COMMENT_SNGLELINE
11	public	KEYWORD_PUBLIC
11	integer	KEYWORD_INT
11	testvar1	IDENTIFIER
11	=	OP_ASSIGNMENT
11	1	INT_LITERAL
11	;	DELIM_STMT_TERMINATOR
11	// INT NOISE WORD	COMMENT_SNGLELINE
12	public	KEYWORD_PUBLIC
12	character	KEYWORD_CHAR
12	char1	IDENTIFIER
12	=	OP_ASSIGNMENT
12	'z'	CHAR_LITERAL
12	;	DELIM_STMT_TERMINATOR
12	// CHAR NOISE WORD	COMMENT_SNGLELINE
14	// Invalid tokens	COMMENT_SNGLELINE
15	int	KEYWORD_INT

LINE	LEXEME	TOKEN
15	8num	UNKNOWN_TOKEN
15	;	DELIM_STMT_TERMINATOR
15	// invalid identifier	COMMENT_SNGLELINE
16	int	KEYWORD_INT
16	x	IDENTIFIER
16	=	OP_ASSIGNMENT
16	5	INT_LITERAL
16	&	UNKNOWN_TOKEN
16	3	INT_LITERAL
16	;	DELIM_STMT_TERMINATOR
16	// invalid operator	COMMENT_SNGLELINE
17	char	KEYWORD_CHAR
17	blood_type	IDENTIFIER
17	=	OP_ASSIGNMENT
17	'ab'	UNKNOWN_TOKEN
17	// invalid character literal	COMMENT_SNGLELINE
19	// Define a function to add two numbers	COMMENT_SNGLELINE
20	func	KEYWORD_FUNC
20	add	IDENTIFIER
20	(	DELIM_OPEN_PARENTHESIS
20	float	KEYWORD_FLOAT
20	a	IDENTIFIER
20	,	DELIM_SEPARATOR
20	float	KEYWORD_FLOAT
20	b	IDENTIFIER
20	)	DELIM_CLOSE_PARENTHESIS
20	{	DELIM_OPEN_CURLY_BRACKET
21	return	KEYWORD_RETURN
21	a	IDENTIFIER

LINE	LEXEME	TOKEN
21	+	OP_ADDITION
21	b	IDENTIFIER
21	;	DELIM_STMT_TERMINATOR
22	}	DELIM_CLOSE_CURLY_BRACKET
24	// Main function	COMMENT_SNGLELINE
25	func	KEYWORD_FUNC
25	calculate	IDENTIFIER
25	(	DELIM_OPEN_PARENTHESIS
25	)	DELIM_CLOSE_PARENTHESIS
25	{	DELIM_OPEN_CURLY_BRACKET
26	// Display welcome message with string constant	COMMENT_SNGLELINE
27	display	KEYWORD_DISPLAY
27	(	DELIM_OPEN_PARENTHESIS
27	"Welcome to the "	STRING_LITERAL
27	+	OP_ADDITION
27	appName	IDENTIFIER
27	+	OP_ADDITION
27	"!"	STRING_LITERAL
27	)	DELIM_CLOSE_PARENTHESIS
27	;	DELIM_STMT_TERMINATOR
29	// Display constant values	COMMENT_SNGLELINE
30	display	KEYWORD_DISPLAY
30	(	DELIM_OPEN_PARENTHESIS
30	"Value of pi: "	STRING_LITERAL
30	+	OP_ADDITION
30	pi	IDENTIFIER
30	)	DELIM_CLOSE_PARENTHESIS
30	;	DELIM_STMT_TERMINATOR
31	display	KEYWORD_DISPLAY

LINE	LEXEME	TOKEN
31	(	DELIM_OPEN_PARENTHESIS
31	"Value of gravity: "	STRING_LITERAL
31	,	DELIM_SEPARATOR
31	gravity	IDENTIFIER
31	)	DELIM_CLOSE_PARENTHESIS
31	;	DELIM_STMT_TERMINATOR
32	display	KEYWORD_DISPLAY
32	(	DELIM_OPEN_PARENTHESIS
32	"Application Name: "	STRING_LITERAL
32	,	DELIM_SEPARATOR
32	appName	IDENTIFIER
32	)	DELIM_CLOSE_PARENTHESIS
32	;	DELIM_STMT_TERMINATOR
33	display	KEYWORD_DISPLAY
33	(	DELIM_OPEN_PARENTHESIS
33	"Version: "	STRING_LITERAL
33	+	OP_ADDITION
33	version	IDENTIFIER
33	)	DELIM_CLOSE_PARENTHESIS
33	;	DELIM_STMT_TERMINATOR
35	// Ask the user to enter two numbers	COMMENT_SNGLELINE
36	float	KEYWORD_FLOAT
36	num1	IDENTIFIER
36	=	OP_ASSIGNMENT
36	float	KEYWORD_FLOAT
36	(	DELIM_OPEN_PARENTHESIS
36	ask	KEYWORD_ASK
36	(	DELIM_OPEN_PARENTHESIS
36	"Enter the first number: "	STRING_LITERAL
36	)	DELIM_CLOSE_PARENTHESIS

LINE	LEXEME	TOKEN
36	)	DELIM_CLOSE_PARENTHESIS
36	;	DELIM_STMT_TERMINATOR
37	float	KEYWORD_FLOAT
37	num2	IDENTIFIER
37	=	OP_ASSIGNMENT
37	float	KEYWORD_FLOAT
37	(	DELIM_OPEN_PARENTHESIS
37	ask	KEYWORD_ASK
37	(	DELIM_OPEN_PARENTHESIS
37	"Enter the second number: "	STRING_LITERAL
37	)	DELIM_CLOSE_PARENTHESIS
37	)	DELIM_CLOSE_PARENTHESIS
37	;	DELIM_STMT_TERMINATOR
38	int	KEYWORD_INT
38	i	IDENTIFIER
38	=	OP_ASSIGNMENT
38	1	INT_LITERAL
38	;	DELIM_STMT_TERMINATOR
40	// Perform arithmetic operations	COMMENT_SNGLELINE
41	display	KEYWORD_DISPLAY
41	(	DELIM_OPEN_PARENTHESIS
41	"Sum: "	STRING_LITERAL
41	+	OP_ADDITION
41	add	IDENTIFIER
41	(	DELIM_OPEN_PARENTHESIS
41	num1	IDENTIFIER
41	,	DELIM_SEPARATOR
41	num2	IDENTIFIER
41	)	DELIM_CLOSE_PARENTHESIS
41	)	DELIM_CLOSE_PARENTHESIS

LINE	LEXEME	TOKEN
41	;	DELIM_STMT_TERMINATOR
42	display	KEYWORD_DISPLAY
42	(	DELIM_OPEN_PARENTHESIS
42	"Difference: "	STRING_LITERAL
42	,	DELIM_SEPARATOR
42	(	DELIM_OPEN_PARENTHESIS
42	num1	IDENTIFIER
42	-	OP_SUBTRACTION
42	num2	IDENTIFIER
42	)	DELIM_CLOSE_PARENTHESIS
42	)	DELIM_CLOSE_PARENTHESIS
42	;	DELIM_STMT_TERMINATOR
43	display	KEYWORD_DISPLAY
43	(	DELIM_OPEN_PARENTHESIS
43	"Product: "	STRING_LITERAL
43	,	DELIM_SEPARATOR
43	(	DELIM_OPEN_PARENTHESIS
43	num1	IDENTIFIER
43	*	OP_MULTIPLICATION
43	num2	IDENTIFIER
43	)	DELIM_CLOSE_PARENTHESIS
43	)	DELIM_CLOSE_PARENTHESIS
43	;	DELIM_STMT_TERMINATOR
44	display	KEYWORD_DISPLAY
44	(	DELIM_OPEN_PARENTHESIS
44	"Quotient: "	STRING_LITERAL
44	,	DELIM_SEPARATOR
44	(	DELIM_OPEN_PARENTHESIS
44	num1	IDENTIFIER
44	/	OP_DIVISION

LINE	LEXEME	TOKEN
44	num2	IDENTIFIER
44	)	DELIM_CLOSE_PARENTHESIS
44	)	DELIM_CLOSE_PARENTHESIS
44	;	DELIM_STMT_TERMINATOR
45	display	KEYWORD_DISPLAY
45	(	DELIM_OPEN_PARENTHESIS
45	"Remainder: "	STRING_LITERAL
45	,	DELIM_SEPARATOR
45	(	DELIM_OPEN_PARENTHESIS
45	num1	IDENTIFIER
45	%	OP_MODULO
45	num2	IDENTIFIER
45	)	DELIM_CLOSE_PARENTHESIS
45	)	DELIM_CLOSE_PARENTHESIS
45	;	DELIM_STMT_TERMINATOR
46	display	KEYWORD_DISPLAY
46	(	DELIM_OPEN_PARENTHESIS
46	"Power: "	STRING_LITERAL
46	,	DELIM_SEPARATOR
46	(	DELIM_OPEN_PARENTHESIS
46	num1	IDENTIFIER
46	**	OP_EXPONENTIATE
46	num2	IDENTIFIER
46	)	DELIM_CLOSE_PARENTHESIS
46	)	DELIM_CLOSE_PARENTHESIS
46	;	DELIM_STMT_TERMINATOR
47	display	KEYWORD_DISPLAY
47	(	DELIM_OPEN_PARENTHESIS
47	"Square Root of num1: "	STRING_LITERAL
47	,	DELIM_SEPARATOR

LINE	LEXEME	TOKEN
47	(	DELIM_OPEN_PARENTHESIS
47	num1	IDENTIFIER
47	**	OP_EXPONENTIATE
47	0.5f	FLOAT_LITERAL
47	)	DELIM_CLOSE_PARENTHESIS
47	)	DELIM_CLOSE_PARENTHESIS
47	;	DELIM_STMT_TERMINATOR
48	display	KEYWORD_DISPLAY
48	(	DELIM_OPEN_PARENTHESIS
48	"Increment value: "	STRING_LITERAL
48	,	DELIM_SEPARATOR
48	(	DELIM_OPEN_PARENTHESIS
48	i	IDENTIFIER
48	++	OP_INCREMENT
48	)	DELIM_CLOSE_PARENTHESIS
48	)	DELIM_CLOSE_PARENTHESIS
48	;	DELIM_STMT_TERMINATOR
49	display	KEYWORD_DISPLAY
49	(	DELIM_OPEN_PARENTHESIS
49	"Decrement value: "	STRING_LITERAL
49	,	DELIM_SEPARATOR
49	(	DELIM_OPEN_PARENTHESIS
49	i	IDENTIFIER
49	--	OP_DECREMENT
49	)	DELIM_CLOSE_PARENTHESIS
49	)	DELIM_CLOSE_PARENTHESIS
49	;	DELIM_STMT_TERMINATOR
51	// Perform boolean operations	COMMENT_SNGLELINE
52	bool	KEYWORD_BOOL
52	resultAnd1	IDENTIFIER

LINE	LEXEME	TOKEN
52	=	OP_ASSIGNMENT
52	(	DELIM_OPEN_PARENTHESIS
52	num1	IDENTIFIER
52	>	OP_GREATER_THAN
52	0.0f	FLOAT_LITERAL
52	)	DELIM_CLOSE_PARENTHESIS
52	and	KEYWORD_AND
52	(	DELIM_OPEN_PARENTHESIS
52	num2	IDENTIFIER
52	<	OP_LESS_THAN
52	10.0f	FLOAT_LITERAL
52	)	DELIM_CLOSE_PARENTHESIS
52	;	DELIM_STMT_TERMINATOR
53	bool	KEYWORD_BOOL
53	resultAnd2	IDENTIFIER
53	=	OP_ASSIGNMENT
53	(	DELIM_OPEN_PARENTHESIS
53	num1	IDENTIFIER
53	==	OP_EQUALITY
53	0.0f	FLOAT_LITERAL
53	)	DELIM_CLOSE_PARENTHESIS
53	and	KEYWORD_AND
53	(	DELIM_OPEN_PARENTHESIS
53	num2	IDENTIFIER
53	!=	OP_INEQUALITY
53	0.0f	FLOAT_LITERAL
53	)	DELIM_CLOSE_PARENTHESIS
53	;	DELIM_STMT_TERMINATOR
54	bool	KEYWORD_BOOL
54	resultOr1	IDENTIFIER

LINE	LEXEME	TOKEN
54	=	OP_ASSIGNMENT
54	(	DELIM_OPEN_PARENTHESIS
54	num1	IDENTIFIER
54	<	OP_LESS_THAN
54	0.0f	FLOAT_LITERAL
54	)	DELIM_CLOSE_PARENTHESIS
54	or	KEYWORD_OR
54	(	DELIM_OPEN_PARENTHESIS
54	num2	IDENTIFIER
54	>	OP_GREATER_THAN
54	10.0f	FLOAT_LITERAL
54	)	DELIM_CLOSE_PARENTHESIS
54	;	DELIM_STMT_TERMINATOR
55	bool	KEYWORD_BOOL
55	resultOr2	IDENTIFIER
55	=	OP_ASSIGNMENT
55	(	DELIM_OPEN_PARENTHESIS
55	num1	IDENTIFIER
55	<=	OP_LESS_OR_EQUAL
55	5.0f	FLOAT_LITERAL
55	)	DELIM_CLOSE_PARENTHESIS
55	or	KEYWORD_OR
55	(	DELIM_OPEN_PARENTHESIS
55	num2	IDENTIFIER
55	>=	OP_GREATER_OR_EQUAL
55	5.0f	FLOAT_LITERAL
55	)	DELIM_CLOSE_PARENTHESIS
55	;	DELIM_STMT_TERMINATOR
56	bool	KEYWORD_BOOL
56	resultNot1	IDENTIFIER

LINE	LEXEME	TOKEN
56	=	OP_ASSIGNMENT
56	not	KEYWORD_NOT
56	(	DELIM_OPEN_PARENTHESIS
56	num1f	IDENTIFIER
56	==	OP_EQUALITY
56	num2f	IDENTIFIER
56	)	DELIM_CLOSE_PARENTHESIS
56	;	DELIM_STMT_TERMINATOR
57	bool	KEYWORD_BOOL
57	resultNot2	IDENTIFIER
57	=	OP_ASSIGNMENT
57	not	KEYWORD_NOT
57	(	DELIM_OPEN_PARENTHESIS
57	num1f	IDENTIFIER
57	>=	OP_GREATER_OR_EQUAL
57	num2f	IDENTIFIER
57	)	DELIM_CLOSE_PARENTHESIS
57	;	DELIM_STMT_TERMINATOR
58	bool	KEYWORD_BOOL
58	resultEqual	IDENTIFIER
58	=	OP_ASSIGNMENT
58	(	DELIM_OPEN_PARENTHESIS
58	num1f	IDENTIFIER
58	==	OP_EQUALITY
58	num2f	IDENTIFIER
58	)	DELIM_CLOSE_PARENTHESIS
58	;	DELIM_STMT_TERMINATOR
59	bool	KEYWORD_BOOL
59	resultNotEqual	IDENTIFIER
59	=	OP_ASSIGNMENT

LINE	LEXEME	TOKEN
59	(	DELIM_OPEN_PARENTHESIS
59	num1f	IDENTIFIER
59	!=	OP_INEQUALITY
59	num2f	IDENTIFIER
59	)	DELIM_CLOSE_PARENTHESIS
59	;	DELIM_STMT_TERMINATOR
60	bool	KEYWORD_BOOL
60	resultGreater	IDENTIFIER
60	=	OP_ASSIGNMENT
60	(	DELIM_OPEN_PARENTHESIS
60	num1f	IDENTIFIER
60	>	OP_GREATER_THAN
60	num2f	IDENTIFIER
60	)	DELIM_CLOSE_PARENTHESIS
60	;	DELIM_STMT_TERMINATOR
61	bool	KEYWORD_BOOL
61	resultLess	IDENTIFIER
61	=	OP_ASSIGNMENT
61	(	DELIM_OPEN_PARENTHESIS
61	num1f	IDENTIFIER
61	<	OP_LESS_THAN
61	num2f	IDENTIFIER
61	)	DELIM_CLOSE_PARENTHESIS
61	;	DELIM_STMT_TERMINATOR
63	// Display boolean results	COMMENT_SNGLELINE
64	display	KEYWORD_DISPLAY
64	(	DELIM_OPEN_PARENTHESIS
64	"Result of AND operation 1: "	STRING_LITERAL
64	,	DELIM_SEPARATOR
64	resultAnd1	IDENTIFIER

LINE	LEXEME	TOKEN
64	)	DELIM_CLOSE_PARENTHESIS
64	;	DELIM_STMT_TERMINATOR
65	display	KEYWORD_DISPLAY
65	(	DELIM_OPEN_PARENTHESIS
65	"Result of AND operation 2: "	STRING_LITERAL
65	,	DELIM_SEPARATOR
65	resultAnd2	IDENTIFIER
65	)	DELIM_CLOSE_PARENTHESIS
65	;	DELIM_STMT_TERMINATOR
66	display	KEYWORD_DISPLAY
66	(	DELIM_OPEN_PARENTHESIS
66	"Result of OR operation 1: "	STRING_LITERAL
66	,	DELIM_SEPARATOR
66	resultOr1	IDENTIFIER
66	)	DELIM_CLOSE_PARENTHESIS
66	;	DELIM_STMT_TERMINATOR
67	display	KEYWORD_DISPLAY
67	(	DELIM_OPEN_PARENTHESIS
67	"Result of OR operation 2: "	STRING_LITERAL
67	,	DELIM_SEPARATOR
67	resultOr2	IDENTIFIER
67	)	DELIM_CLOSE_PARENTHESIS
67	;	DELIM_STMT_TERMINATOR
68	display	KEYWORD_DISPLAY
68	(	DELIM_OPEN_PARENTHESIS
68	"Result of NOT operation 1: "	STRING_LITERAL
68	,	DELIM_SEPARATOR
68	resultNot1	IDENTIFIER
68	)	DELIM_CLOSE_PARENTHESIS
68	;	DELIM_STMT_TERMINATOR

LINE	LEXEME	TOKEN
69	display	KEYWORD_DISPLAY
69	(	DELIM_OPEN_PARENTHESIS
69	"Result of NOT operation 2: "	STRING_LITERAL
69	,	DELIM_SEPARATOR
69	resultNot2	IDENTIFIER
69	)	DELIM_CLOSE_PARENTHESIS
69	;	DELIM_STMT_TERMINATOR
70	display	KEYWORD_DISPLAY
70	(	DELIM_OPEN_PARENTHESIS
70	"Result of Equal operation: "	STRING_LITERAL
70	,	DELIM_SEPARATOR
70	resultEqual	IDENTIFIER
70	)	DELIM_CLOSE_PARENTHESIS
70	;	DELIM_STMT_TERMINATOR
71	display	KEYWORD_DISPLAY
71	(	DELIM_OPEN_PARENTHESIS
71	"Result of Not Equal operation: "	STRING_LITERAL
71	,	DELIM_SEPARATOR
71	resultNotEqual	IDENTIFIER
71	)	DELIM_CLOSE_PARENTHESIS
71	;	DELIM_STMT_TERMINATOR
72	display	KEYWORD_DISPLAY
72	(	DELIM_OPEN_PARENTHESIS
72	"Result of Greater operation: "	STRING_LITERAL
72	,	DELIM_SEPARATOR
72	resultGreater	IDENTIFIER
72	)	DELIM_CLOSE_PARENTHESIS
72	;	DELIM_STMT_TERMINATOR
73	display	KEYWORD_DISPLAY
73	(	DELIM_OPEN_PARENTHESIS

LINE	LEXEME	TOKEN
73	"Result of Less operation: "	STRING_LITERAL
73	,	DELIM_SEPARATOR
73	resultLess	IDENTIFIER
73	)	DELIM_CLOSE_PARENTHESIS
73	;	DELIM_STMT_TERMINATOR
75	// End of the program	COMMENT_SNGLELINE
76	display	KEYWORD_DISPLAY
76	(	DELIM_OPEN_PARENTHESIS
76	"End of the Luseed program."	STRING_LITERAL
76	)	DELIM_CLOSE_PARENTHESIS
76	;	DELIM_STMT_TERMINATOR
77	}	DELIM_CLOSE_CURLY_BRACKET
78	}	DELIM_CLOSE_CURLY_BRACKET
80	main	KEYWORD_MAIN
80	(	DELIM_OPEN_PARENTHESIS
80	)	DELIM_CLOSE_PARENTHESIS
80	{	DELIM_OPEN_CURLY_BRACKET
81	// Create an instance of the Calculator class	COMMENT_SNGLELINE
82	obj	KEYWORD_OBJ
82	calcObj	IDENTIFIER
82	=	OP_ASSIGNMENT
82	Calculator	IDENTIFIER
82	(	DELIM_OPEN_PARENTHESIS
82	)	DELIM_CLOSE_PARENTHESIS
82	;	DELIM_STMT_TERMINATOR
84	// Call the main function of the Calculator class	COMMENT_SNGLELINE
85	calcObj	IDENTIFIER
85	.	DELIM_OBJECT

LINE	LEXEME	TOKEN
85	calculate	IDENTIFIER
85	(	DELIM_OPEN_PARENTHESIS
85	)	DELIM_CLOSE_PARENTHESIS
85	;	DELIM_STMT_TERMINATOR
87	// Create another instance of the Calculator class	COMMENT_SNGLELINE
88	object	KEYWORD_OBJ
88	calcObj1	IDENTIFIER
88	=	OP_ASSIGNMENT
88	Calculator	IDENTIFIER
88	(	DELIM_OPEN_PARENTHESIS
88	)	DELIM_CLOSE_PARENTHESIS
88	;	DELIM_STMT_TERMINATOR
90	// Call the main function of the Calculator class	COMMENT_SNGLELINE
91	calcObj1	IDENTIFIER
91	.	DELIM_OBJECT
91	calculate	IDENTIFIER
91	(	DELIM_OPEN_PARENTHESIS
91	)	DELIM_CLOSE_PARENTHESIS
91	;	DELIM_STMT_TERMINATOR
93	repeat	KEYWORD_REPEAT
93	(	DELIM_OPEN_PARENTHESIS
93	10	INT_LITERAL
93	)	DELIM_CLOSE_PARENTHESIS
93	:	DELIM_CODEBLK_INDICATOR
94	{	DELIM_OPEN_CURLY_BRACKET
95	display	KEYWORD_DISPLAY
95	(	DELIM_OPEN_PARENTHESIS
95	"Hi Ebriwan"	STRING_LITERAL

LINE	LEXEME	TOKEN
95	)	DELIM_CLOSE_PARENTHESIS
95	;	DELIM_STMT_TERMINATOR
96	}	DELIM_CLOSE_CURLY_BRACKET
97	}	DELIM_CLOSE_CURLY_BRACKET