

MiniJava Compiler Evaluation

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Correctness Tests: Lexer

test case	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z
all_chars.java			X			S	-			X	-	X				S	-			-	X	255	F	
all_tokens.java			X			S	-			X	-	X				S	-			-	X	255	F	
big_number.java			X			S	-			X	-	X				S	-			-	-	255	F	
Bottles.java			X				-			X	-	X				S	-			-	-	255	F	
char_00.java							-			-	-	E				-	-			-	E	255		
char_0D.java			X			S	-			X	-	X				S	-			-	-	255	F	
char_FF.java						S	-			-	-	E				-	-			-	E	255		
char_invalid.java				A			-			-	-	E				-	-			-	E	255		
comment_2_in_1_line.java		X				S	-			X	-	X				S	-			-	-	255	F	
comment_at_end.java		X				S	-			X	-	X				S	-			-	-	255	F	
comment_at_start.java		X				S	-			X	-	X				S	-			-	-	255	F	
comment_minimal.java		X				S	-			X	-					S	-			-	-	255	F	
comment_multi-line.java		X				S	-			X	-	X				S	-			-	-	255	F	
comment_only.java		X				S	-			X	-					S	-			-	-	255	F	
comment_terminated.java							-			-	-	E			255	S	-			-	I	255		
comment_with_inv_char.java		X				S	-			X	-	X				S	-			-	-	255	F	
comment_with_slash.java		X				S	-			X	-	X				S	-			-	-	255	F	
double_slash.java		X				S	-			X	-	X				S	-			-	X	255	F	
empty.java						S	-			X	-					S	-			-	-	255	F	
exercise_example.java			X			S	-			X	-	X				S	-			-	-	255	F	
Fac.java		X					-			X	-	X				S	-			-	-	255	F	
Fib.java		X				S	-			X	-	X				S	-			-	-	255	F	
GCD.java		X					-			X	-	X				S	-			-	-	255	F	
HelloSomething.java		X					-			X	-	X				S	-			-	-	255	F	
identifiers.java		X				S	-			X	-	X				S	-			-	-	255	F	
long_ident.java		X				S	-			X	-	X				S	-			-	-	255	F	
MinInt.java		X					-			X	-	X				S	-			-	-	255	F	
mixed_eols.java		X				S	-			X	-	X				S	-			-	-	255	F	
no_eol.java		X				X	-			X	-	X				S	-			-	-	255	F	
numbers.java		X				S	-			X	-	X				S	-			-	-	255	F	
token_pairs.java			X	X		S	-			X	-	X				S	-			-	F	255	F	
tokens_seperated_by_comment.java			X			S	-			X	-	X				S	-			-	-	255	F	
whitespace.java			X			S	-			X	-	X				S	-			-	-	255	F	
passed (of 33)	33	33	5	31	33	8	0	33	33	4	0	3	33	0	32	3	0	33	33	0	25	0	4	33
size (bytes)	76,142	65,414	52,210	74,422	36,635	36,342		91,289	46,007	51,767	34,854	18,853	88,241	37,488	16,541	122,929		186,184	218,780	58,644	7,962	12,578	5,064	46,121

X wrong output

E error not detected

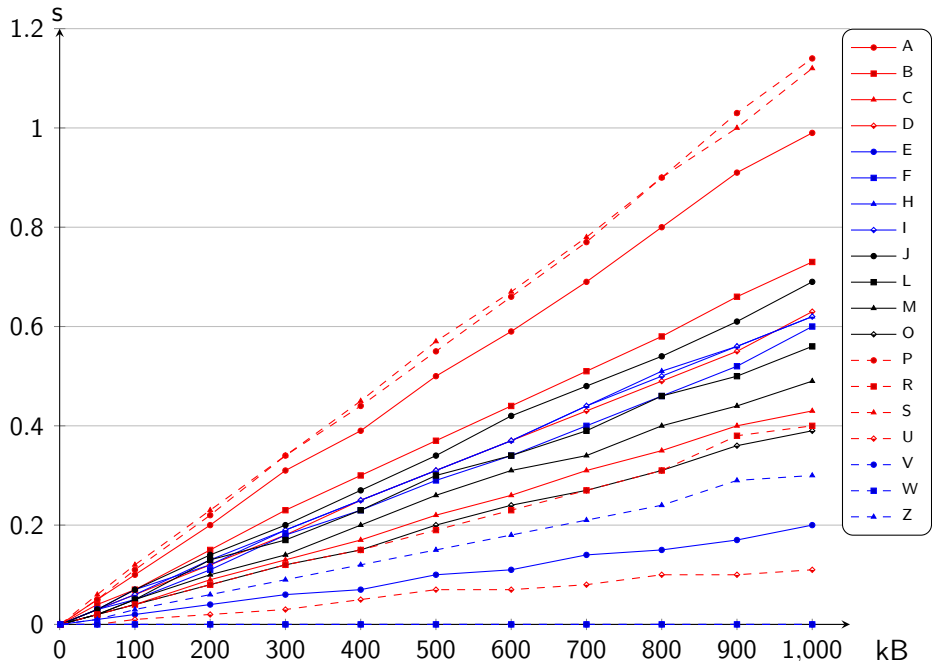
F failed with error on valid input

S segfault

A assertion/abort

I infinite loop

Throughput Test: Lexer



Correctness Tests: Parser

testcase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z	
all_operators.java							-			F	-	F	-	-	-	-	-	-	-	-	75	255	F		
all_statements.java							-			F	-	-	-	-	-	-	-	-	-	-	75	255	F		
bad_body.java							-			-	-	E	-	-	-	E	-	-	-	-	75	255			
Bottles.java							-			F	-	F	-	-	F	S	-	-	-	-	75	255	F		
decl_without_declarator.java							-			-	-	-	-	-	-	E	-	-	-	-	75	255			
deep_paren.java							-			F	-	-	-	-	-	-	-	-	-	-	75	255	F		
double_comma.java							-			-	-	E	-	-	-	-	-	-	-	-	75	255			
empty_block.java							-			F	-	F	-	-	F	-	-	-	-	-	75	255	F		
empty_class.java							-			-	-	F	-	-	-	-	-	-	-	-	75	255	F		
empty_statements.java							-			F	-	-	-	-	-	-	-	-	-	-	75	255	F		
extraneous_comma.java							-			-	-	E	-	-	E	S	-	-	-	-	75	255			
Fac.java							-			F	-	F	-	-	F	S	-	-	-	-	75	255	F		
Fib.java						F	-			F	-	F	-	-	-	S	-	-	-	-	75	255	F		
GCD.java							-			F	-	F	-	-	F	S	-	-	-	-	75	255	F		
HelloSomething.java							-			-	-	-	-	-	-	S	-	-	-	-	75	255	F		
if_else_else.java							-			F	-	F	-	-	-	-	-	-	-	-	75	255	F		
keyword_var.java							-			-	-	-	-	-	E	-	-	-	-	-	75	255			
LinkedList.java		F				F	-			F	-	-	-	-	F	I	-	-	-	-	75	255	F		
long_lhs.java						F	-			F	-	-	-	-	-	S	-	-	-	-	75	255	F		
misc.java							-			F	-	-	-	-	-	S	-	-	-	-	75	255	F		
missing_brace2.java							-			-	-	E	-	-	-	E	-	-	-	-	75	255			
missing_brace.java							-			-	-	-	-	-	-	S	-	-	-	-	75	255			
missing_comma.java							-			-	-	-	-	-	-	E	S	-	-	-	75	255			
missing_init.java							-			-	-	E	-	-	-	E	E	-	-	-	75	255			
missing_operand.java							-			-	-	-	-	-	-	E	E	-	-	-	75	255			
missing_param_name.java							-			-	-	E	-	-	-	E	-	-	-	-	75	255			
missing_public.java							-			-	-	E	-	-	-	E	-	-	-	-	75	255			
multiple_classes.java							-			-	-	-	-	-	-	-	-	-	-	-	75	255	F		
multiple_comma.java							-			-	-	E	-	-	-	S	S	-	-	-	75	255			
non_block_declaration.java				E			-			-	-	-	-	-	-	E	E	-	-	-	75	255			
OP_Triples_All.java							-			I	-	-	-	-	F	I	-	-	-	-	75	255	F		
OP_Triples.java							-			-	-	-	-	-	-	F	I	-	-	-	75	255	F		
other_main.java						F	-			F	-	-	-	-	-	-	-	-	-	-	75	255	F		
out.java							-			-	-	-	-	-	-	-	-	-	-	-	75	255			
semicolon_in_class.java							-			-	-	E	-	-	-	E	-	-	-	-	75	255			
split_operator.java							-			E	-	E	-	-	-	E	-	-	-	-	75	255			
system.java							-			F	-	-	-	-	-	S	-	-	-	-	75	255	F		
System_out_println_x.java							-			F	-	-	-	-	-	S	-	-	-	-	75	255	F		
passed (of 38)	38	38	37	37	38	29	0	38	38	20	0	20	20	38	0	24	12	0	38	38	0	0	0	17	38
size (bytes)	76,142	65,414	52,210	74,422	36,635	36,342	0	91,289	46,007	51,767	34,854	18,853	88,241	37,488	16,541	122,929	0	186,194	218,730	56,644	7,962	12,578	5,064	46,121	

X wrong output
 E error not detected
 F failed with error on valid input

S segfault
 A assertion/abort
 I infinite loop

Correctness Tests: Pretty Printer, fully parenthesized

test case	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z	
all_operators.java			X		X	X	-	X	X	-	F			-	X	S	-		-	75	255	F			
all_statements.java	X		X		X	X	-	X	X	X	-	F			-	X	S	-	X		-	75	255	F	
associativity.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
Bottles.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
compare.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
deep_paren.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
empty_class.java					X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
empty_method.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
example_full.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
example.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
example_min.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
Fac.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
Fib.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
field_accesses.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
GCD2.java	X		X		X	X	-	X	X	X	-	F			-	X	S	-	X		-	75	255	F	
GCD.java			X		X	X	-	X	X	X	-	F			-	X	S	-	X		-	75	255	F	
HelloSomething.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
if_cascade.java			X		X	X	-	X	X	X	-	F			-	X	S	-	X		-	75	255	F	
if_if_else_else.java			X		X	X	-	X	X	X	-	F			-	X	S	-	X		-	75	255	F	
if_if_else.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
multi_assign.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
new.java			F		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
precedence.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
return_expr.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
System_out_println_x.java			X		X	X	-	X	X	X	-	F			-	X	S	-		-	75	255	F		
passed (of 25)	23	25	1	25	21	0	0	18	2	0	0	0	25	0	0	0	0	0	20	25	0	0	0	0	25
size (bytes)	76,142	65,414	52,210	74,422	36,635	36,342	0	91,289	46,007	51,767	34,854	18,853	88,241	37,488	16,541	122,929	0	186,184	218,780	58,644	7,962	12,578	5,064	46,121	

X wrong output
 E error not detected
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S segfault
 A assertion/abort
 I infinite loop

Correctness Tests: Pretty Printer, minimally parenthesized

test case	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z	
assign_in_expr.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
boolean.java		X		X	X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
compare.java		X		X	X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
example_full.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
example.java			X		X	-			F	-	F		-	X	S	-			-	75	255	F			
example_min.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
explicit_braces.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
field_accesses.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
forced_assoc.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
many_parentheses.java	X		X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
mixed_precedence.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
multi_assign.java		X		X	X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
new.java		F		X	X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
no_parentheses.java			X		X	-	X	X	F	-	F		-	X	S	-			-	75	255	F			
passed (of 14)	13	14	0	14	11	0	0	11	1	0	0	0	14	0	0	0	0	14	14	0	0	0	0	0	14
size (bytes)	76,142	65,414	52,210	74,422	36,635	36,342	0	91,289	46,007	51,767	34,854	18,853	88,241	37,488	16,541	122,929	0	186,184	218,780	58,644	7,962	12,578	5,064	46,121	

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