

MiniJava Compiler Evaluation

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Popular errors

- ▶ Extraneous output
- ▶ Forgotten keywords: e.g. `true`, `false`
- ▶ `//` is not a comment in MiniJava
- ▶ Wrong handling of comments
- ▶ Trouble with EOL / EOF
- ▶ Fixed size assumptions: lines/idents are shorter than 1024 chars

Design / High-level

- ▶ Process the input character by character (not per line)
- ▶ You don't need to explicitly store the list of tokens
- ▶ Do not hard-code `printfs` into the lexer
- ▶ If you detect a bug, write a test case for it
- ▶ Write more test cases, really, I mean it
- ▶ If something is unclear, ask

Programming / Testing

- ▶ Using `boost::regex` or similar is not allowed
- ▶ Take C/C++ warnings as errors
- ▶ Concerning EOF, read the documentation of `std::ifstream::get()` or `fgetc()`, respectively
- ▶ Uncaught throw-ups will *not* yield return code 1

ID \mapsto Group

2031946	P	2519866	P	2526193	H	2531557	R
2511042	C	2520925	O	2526240	K	2531835	A
2511081	P	2521139	A	2526241	K	2535203	V
2513331	B	2522025	D	2526415	H	2535483	
2513509	E	2522705	I	2526486	F	2536539	W
2514322	G	2522718	N	2527140	F	2536586	W
2514359	C	2523081	B	2528251	F	2539125	T
2515294	E	2523114	J	2528501	O	2539149	T
2516088	B	2523129	N	2528532	R	2539152	T
2517200	Q	2523343	N	2530270	R	2539755	W
2518099	I	2524010	L	2530469	M	2539760	U
2518162	Q	2524214	J	2530559	A	2539954	U
2518183	J	2524265	J	2530690	M	2540322	G
2518561	O	2524568	B	2530699	M	2540324	G
2518686	E	2524649	L	2530711	V	2540414	S
2518834	E	2525627	I	2530947	S	2540807	T
2518894	D	2525783	D	2531407	M	2540817	V
2519766	S	2526159	H	2531460	A		

Throughput Test: Lexer

