

Assembler in Lex/Yacc

Source: <http://coding.derkeiler.com/Archive/Assembler/comp.lang.asm.x86/2005-12/msg00018.html>

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 - *Date:* 3 Dec 2005 01:28:18 -0800
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Hi there,

I was working on an assembler for X64 architecture. I was wondering what are the tradeoffs in designing an assembler using lex or re2c and yacc? Why is that handwritten assemblers are more popular than those developed using lex/yacc? Developing a grammar is the toughest part, but once you have a grammar ready, I think the rest of the routines are pretty straightforward? Is it that code generated by Lex/Yacc is not as efficient?

YASM does get close, but again it resorts to hand written code at some places.

Is it that Lex/Yacc is an overkill or is that Lex/Yacc are not the right tools? I'm new to compiler and assembler design, and would be helpful if anyone can guide.

Thanks!

• *Follow-Ups:*

- ◆ ***Re: Assembler in Lex/Yacc***
◇ *From:* Waldek Hebisch
 - ◆ ***Re: Assembler in Lex/Yacc***
◇ *From:* toby
 - ◆ ***Re: Assembler in Lex/Yacc***
◇ *From:* Tim Roberts
 - ◆ ***Re: Assembler in Lex/Yacc***
◇ *From:* randyhyde@xxxxxxxxxxxxxxxx
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- Prev by Date: ***help about Boachs,FritzOS(kernel),80386, Assembly, C++ plz!!!!***
 - Next by Date: ***Embedded x86 ASM***
 - Previous by thread: ***help about Boachs,FritzOS(kernel),80386, Assembly, C++ plz!!!!***
 - Next by thread: ***Re: Assembler in Lex/Yacc***
 - Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***