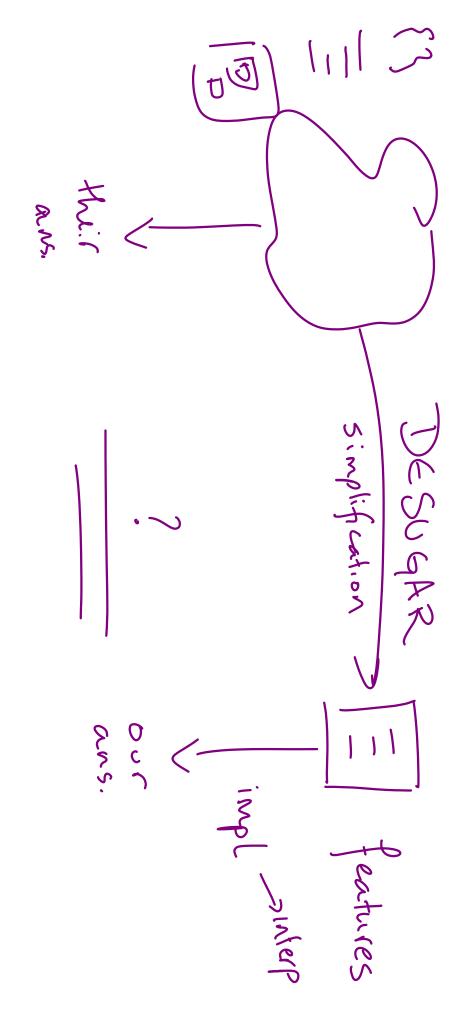


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How to go about making your own programming language? [closed]



basic programming language compilation, and interpretation, and will enable you to build all the tools that would be needed to make a Language Pragmatics. That will ground you in the theory of programming languages. The books cover I'd say that before you begin you might want to take a look at the Dragon Book and/or Programming

gcc/g++ or any other C/C++ compiler to convert the code to a native executable. This is what the Vala dialect of assembly language programming I'd advise you against trying to write a compiler that compiles I don't know how much assembly language you know, but unless you're rather comfortable with some programming language does (it converts Vala syntax to C code that uses the GObject library). both C and C++, so perhaps you can write a compiler that compiles down to C or C++ and then use down to assembly code, as it's quite a bit of a challenge. You mentioned earlier that you're familiar wtih

the writing of the compiler more than the memory allocations and the such that are needed for working C++, or in order to simplify development you could use a higher level language so that you can focus on As for what you can use to write the compiler, you have a lot of options. You could write it by hand in C or

working compiler analyser. This is really useful as it allows you to do iterative development to quickly work on getting a You could simply generate the grammars and have Flex and Bison generate the parser and lexical

lots of target languages that ANTLR can compile to. I've never used this but I've heard a lot about it Another option you have is to use ANTLR to generate your parser, the advantage to this is that you get

recommend Introduction to the Theory of Computation. language compiler/scanner/parser construction you should get a book on the Models of Computation. I'd Furthermore if you'd like a better grounding on the models that are used so frequently in programming



language Take a look at ANTLR. It is an awesome compiler-compiler the stuff you use to build a parser for a

Building a language is basically about defining a grammar and adding production rules to this grammar. Doing that by hand is not trivial, but a good compiler-compiler will help you a lot.

You might also want to have a look at the classic "Dragon Book" (a book about compilers that features a knight slaying a dragon on the front page). (Google it).

tailor made for the project. Have a look at that topic too. full featured programming language, but typically business rules formulated in a custom made language Building domain specific languages is a useful skill to master. Domain specific languages is typically not

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 PL Online / PL 1 / "jiveyleague"
 Remember your course code (from Joe)
- This course is on-line!
- Grade caps
- Course pace (brutal)
 First homework out FRIDAY, due in a week
 Learn Racket! -- Piazza "Class

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