COMP302: Programming Languages and Paradigms

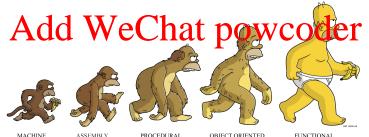
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Functional Tidbit: What's the future of programming?



Check out the article: "What's the future of programming? The answer lies in functional languages" at www.techrepublic.com

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The four main goals of COMP 302

1. Provide a thorough introduction to fundamental concepts in

As Signature and Closures, Exceptions to defer control, Continuations to defer control, Polymorphism, Partial evaluation, Lazy programming, Modules, ...

- 2. Showlitter Sways the Comacourage of the Comacour
- 3. Introduce fundamental principles in programming language design Grammar Grd parshy, Totaligh Remarks On Whier Folds Office checking, polymorphism, and subtyping
- 4. Expose students to a different way of thinking about problems It's like going to the gym; it's good for you!

Today: Modules

Primary benefits:

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- Name space separation
- Allows for separate compilation
- Incrementaps of proposition of the control of the
- Clear specifications at module boundaries
- Programs are easier to maintain and reuse (!)
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- Isolates bugs