CSE-3401 Functional and Logic Programming

Course overview

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a bit of background on Lisp

created by the AI pioneer John McCarthy



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- embedding Lisp makes it easy to extend an application
- creation of new languages built "on" Lisp

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Basic Lisp

Shakil M. Khan adapted from G. Gotshalks & Y. Lespérance



- Common Lisp not so clean lots of operational features
- promotes modular programming through lots of small functions

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- value of the function is the value of the last sexpression that is executed
- functions in Lisp are typically small
 rarely more than 1/2 a page in length CSE-3401-May-7-2008









