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² New Software Development Methodologies (E.g., Object-oriented Software Development) Led To New Programming Paradigms And By Extension, New Programming Languages Computer Architecture X Well-known Computer Architecture: Von Neumann X Imperative Languages, Most Dominant, Because Of Von Neumann Computers Jun 2th, 2024

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-A Nonempty List Is A Pair (element, Rest Of List) -The Element Is The Head Of The List -The Pointer Is The Tailor Restof The List •...which Is Itself A List! •Thus In Math (i.e., Inductively) A List Is Either -The Empty List [] -Or A Pair Consisting Of An Element And A List •This Recursive Structure Will Come In Handy Shortly May 1th, 2024

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13! Specificaon*of*Paerns*for*Tokens:* Regular/Expressions* • Basis*symbols:* - ε* *is*aregula Jan 1th, 2024

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• To Study Different Language Paradigms: ► Functional (Scheme), Imperative (C), Logic (Prolog), Object-oriented (C+ +), Parallel (OpenMP/CUDA) ► To Ensure An Appropriate Language Is Chosen For A Task • To Know The Principles Underlying All Programming Languages: ► To Make L Feb 3th, 2024

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