



Estruturas de Dados / Programação 2 Apresentação

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Who are you?

- What about your experience?
- Programming languages?
- Are you prepared for this course?
- Please, use the computer to leave your e-mail address so we can keep in touch...!



Format

- Initial tests
 - AB 1:
 - 2 = Exam
 - 4 = Huxley Exercises
 - 4 = Exam
 - AB 2:
 - Project
- Theory + Practice



Schedule

- You can find the complete schedule at
 - <http://www.ic.ufal.br/comp208>



Contents

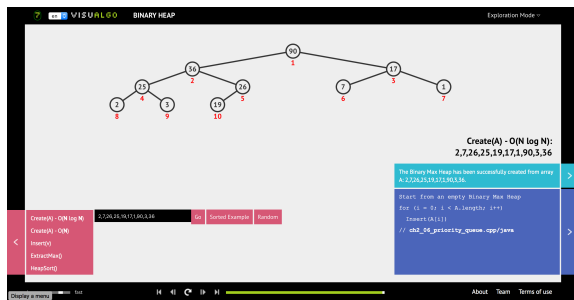
- Introduction
- Sorting and Searching algorithms
- Complexity and Big O notation
- ADT (Abstract Data Types)
- Data Structures
 - Array, List
 - Stack
 - Queue, Priority Queue
 - Hash table
 - Graphs
 - Tree, Binary Tree, Binary Search Tree, AVL
 - Union-Find



References



visualgo.net



<https://www.cs.usfca.edu/~galles/visualization/Algorithms.html>

