University of Science, VNU-HCM
Faculty of Information Technology

Data Structure and Algorithm

Introduction

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HCM City

About course

- Course name: Data Structures and Algorithms

- Material:
  - Slides
  - *Introduction to Algorithms*, Thomas H.Cormen, Third Edition
  - …

About content

- Topics:
    - Concepts, structures, and algorithms
    - Algorithmal complexity analysis (basic)
    - Sorting algorithms
    - Search algorithms
    - Data structures: Stack, Queue, Pointer, Link List, Tree.
    - Data compression algorithms
    - Hashing algorithm
    - String matching algorithm

Assessment

- Theory: 70%
  - Exercises: 10%
  - Midterm Exam: 20%
  - Final Exam: 40%
- Labs: 30%
- Regulations:
  - Any plagiarism, any tricks, or any lie will have 0 point for course grade.

Let's start….