Programming Practice
Course Overview

엄현상 (Eom, Hyeonsang)
Department of Computer Science and Engineering
Seoul National University

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Outline

- Greeting
- Prologue
- Lecture Goal
- Overview
- Q&A
Prologue

- Excellent Choice
  - Computer Science & Engineering
    - High Demand
    - Interesting
    - Sense of Mission
Prologue Cont’d
Lecture Goals

- Learning Computer Programming with Program Examples and Practicing It to Become Well Prepared for Majoring in Computer Science and Engineering
  - C Programming
    - Syntax
    - Writing programs
  - Programming methodologies
Prerequisite

- Taking the “Digital Computer Concept and Practice” Course
- Or Having the Equivalent Knowledge and Experience
Lecture Plan

- Overview of the C Programming Language (A Tutorial Introduction)
- Types, Operators and Expressions I
  - Lexical Elements, Operators and the C System
- Types, Operators and Expressions II
  - The Fundamental Data Types and Conversions (Casts)
- Control Flow
- Functions and Program Structure
- Arrays, Pointers and Strings
Lecture Plan Cont’d

- Bitwise Operators an Enumeration Types
- The Preprocessors
- Structures and List Processing
- Input/Output and the Operating System
- Standard C Library
- Moving from C to C++
- Moving from C to Java
- Advanced Topics
- Wrap up
Course Web Page URL

http://dcslab.snu.ac.kr/courses/pp2020s/