

Chapter 7: Pointers and Dynamic Memory Allocation

- Introduction to Pointers
- Basic Pointer Operations
- Pointers and Arrays; Pointer Arithmetic
- Modifying Variables using Pointers
- Pointer Subtraction and Comparison
- Null Pointer
 Passing Pointers to Functions
- "Equivalence" between Pointers and Arrays
- Arrays of Int Pointer
- Arrays of Char Pointer(String)
- Pointing to Functions
- Pointers to Pointers
- Dynamic Memory Allocation
- malloc, calloc, realloc, free

Chapter 8: String Manipulation, Structures, Union and Enumeration

- Standard String Functions
- Static Variables
- o Structure Basics
- Arrays of Structures
- Pointers to Structures
- Union
- Enumeration

Chapter 9: File Input and Output

- o Standard I / O File Stream
- I/O with File Pointers
- fopen and fclose
- Reading Characters
- Reading One Line
- Reading Numeric Data
- Reading Complete File
- Writing One Character
- Writing One Line
- Writing A File in Another
- o fscanf and fprintf
- Reposition Stream Position Indicator

- o Introduction to Preprocessor
- o #define
- #undef and Macro Function
- #ifdef, #ifndef and #endif
- o Header Files and Source Files



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