

CS0004: Final Exam Review

(This document is not intended to be a complete list of topics on the final exam, nor is it intended to only consist of items on the final exam. It is intended to be a guide for important topics for which are very likely to be on the final exam)

Key Terms:

- Functions and Subprocedures: Definition, Header, Body, Call
- Argument, Parameter
- Pass by reference, pass by value
- Scope: Lifetime, Local Scope, Class-Level Scope, Block-Level Scope
- Modular Design, Step-Wise Refinement, Top-Down Design
- Recursion
- Loops: Condition, Iteration (Pass), Infinite Loop, Block
- Do Loops: Pretest, Posttest, Counter Variable, Accumulator Variable, Sentinel-Controlled Loop, Sentinel Value
- For...Next Loop: Counter Variable, Initial Value, Terminating Value, Step Value, Type Inference (Implicit Typing, or Duck Typing), Option Infer
- Arrays: Simple Variable, Complex Variables, Index (Subscript), Element (Subscripted Variable), Upper Bound, Array Size, Implicit Array Sizing, For Each Loop
- Character Data Type

Keywords:

- Functions and Subprocedures: Function, Sub, ByVal, ByRef, Return
- Do Loops: Do, Loop, While, Until, Exit Do, Continue Do
- For Loops: For, To, Step, Each
- Arrays: ReDim, Preserve
- Character Data Type: Char

Concepts:

- Why and how we use modular design
- How scope affect variables
- Passing by reference vs. passing by value
- When and why we use loops
- Loops and arrays
- When and why we use arrays
- Importance and reason for type