Cross-List

**Cross Reference for Project 2**

**Where in Code**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter** | **Section** | **Topic** | **Line number** |
| 2 | 2 | cout | Throughout |
|  | 3 | libraries | iostream, iomanip, cmath, cstdlib, fstream, string, ctime |
|  | 4 | variables/literals | Throughout |
|  | 5 | Identifiers | Throughout |
|  | 6 | Integers | Throughout |
|  | 7 | Characters | 57,58 and throughout |
|  | 8 | Strings | 742 |
|  | 9 | Floats No Doubles |  |
|  | 10 | Bools | 429,498 |
|  | 11 | Sizeof \*\*\*\*\* |  |
|  | 12 | Variables 7 characters or less | Throughout |
|  | 13 | Scope \*\*\*\*\* No Global Variables |  |
|  | 14 | Arithmetic operators | thorughout |
|  | 15 | Comments 20%+ |  |
|  | 16 | Named Constants | 17 |
|  | 17 | Programming Style \*\*\*\*\* Emulate |  |
|  |  |  |  |
| 3 | 1 | cin | 442,423, throughout method @ 473 |
|  | 2 | Math Expression |  |
|  | 3 | Mixing data types \*\*\*\* |  |
|  | 4 | Overflow/Underflow \*\*\*\* |  |
|  | 5 | Type Casting |  |
|  | 6 | Multiple assignment \*\*\*\*\* |  |
|  | 7 | Formatting output | 747-750 |
|  | 8 | Strings | 743 |
|  | 9 | Math Library |  |
|  | 10 | Hand tracing \*\*\*\*\*\* |  |
|  |  |  |  |
| 4 | 1 | Relational Operators | throughout |
|  | 2 | if | Throughout |
|  | 4 | If-else | Throughout |
|  | 5 | Nesting | 105,167,182,195,483,507,525,544,561 |
|  | 6 | If-else-if | Throughout |
|  | 7 | Flags \*\*\*\*\* |  |
|  | 8 | Logical operators | Throughout |
|  | 11 | Validating user input | Function 475 |
|  | 13 | Conditional Operator | throughout |
|  | 14 | Switch | 304, 606 |
|  |  |  |  |
| 5 | 1 | Increment/Decrement | Throughout(foor loops and counter methods) |
|  | 2 | While | 135,456,481,492,512,530,549,566,599 |
|  | 5 | Do-while | 130,436,593, |
|  | 6 | For loop | Throughout |
|  | 11 | Files input/output both | 749-751 |
|  | 12 | No breaks in loops \*\*\*\*\*\* |  |
|  |  |  |  |
| 6 | 3 | Function Prototypes | 22-47 |
|  | 5 | Passing by value |  |
|  | 8 | Returning values from functions | 212-287,189,176,174,185,201,203 |
|  | 9 | Returning a boolean \*\*\*\*\*\* |  |
|  | 10 | No Global Variables Allowed |  |
|  |  | Only Global Constants | 18 |
|  |  | Meaning Conversions,Physical Con | stants only |
|  | 11 | Static Local | 212-287 |
|  | 12 | Default arguments | 212-287 |
|  | 13 | Reference Parameters | throughout |
|  | 14 | Overloading functions | 62-64,67-71,449,446,451,function 475 |
|  | 15 | Exit function \*\*\*\*\*\*\* |  |
|  |  |  |  |
| 7 | 4 | Array Initialization | 59-60 |
|  | 6 | Processing Arrays | Throughout |
|  | 7 | Parallel Arrays | 59-60 |
|  | 8 | Arrays as function arguments | 22-24,29-30,42-44 |
|  | 9 | 2-D Arrays | Throughout |
|  | 12 | STL Vector |  |
|  |  |  |  |
| 8 | 1 | Linear and Binary Search |  |
|  | 3 | Bubble and Selection Sort |  |
|  | 5 | Search/Sorting Vectors \*\*\*\*\*\* |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| \*\*\*\*\*\* Not | required to | show |  |

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