Cross-List

**Cross Reference for Project 2**

**Where in Code**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter** | **Section** | **Topic** | **Line number** |
| 2 | 2 | cout | 378-403 |
|  | 3 | libraries | iostream, iomanip, cmath, cstdlib, fstream, string, ctime |
|  | 4 | variables/literals | 60-72 |
|  | 5 | Identifiers | Yes |
|  | 6 | Integers | 61-69 |
|  | 7 | Characters | 60 |
|  | 8 | Strings | 70 |
|  | 9 | Floats No Doubles | 470, 472 |
|  | 10 | Bools | 65 |
|  | 11 | Sizeof \*\*\*\*\* |  |
|  | 12 | Variables 7 characters or less | Yes |
|  | 13 | Scope \*\*\*\*\* No Global Variables | Yes |
|  | 14 | Arithmetic operators | 452-454 |
|  | 15 | Comments 20%+ | Yes |
|  | 16 | Named Constants | 79 |
|  | 17 | Programming Style \*\*\*\*\* Emulate |  |
|  |  |  |  |
| 3 | 1 | cin | 112 |
|  | 2 | Math Expression | 452-454 |
|  | 3 | Mixing data types \*\*\*\* |  |
|  | 4 | Overflow/Underflow \*\*\*\* |  |
|  | 5 | Type Casting | 470-472 |
|  | 6 | Multiple assignment \*\*\*\*\* |  |
|  | 7 | Formatting output | 447-475 |
|  | 8 | Strings | Yes |
|  | 9 | Math Library |  |
|  | 10 | Hand tracing \*\*\*\*\*\* |  |
|  |  |  |  |
| 4 | 1 | Relational Operators | 293, 301, 310 |
|  | 2 | if | 301-304 |
|  | 4 | If-else | 293-309 |
|  | 5 | Nesting | 356-371 |
|  | 6 | If-else-if | 163-185 |
|  | 7 | Flags \*\*\*\*\* | Yes |
|  | 8 | Logical operators | 142-143 |
|  | 11 | Validating user input | 142-147 |
|  | 13 | Conditional Operator |  |
|  | 14 | Switch | 114-196 |
|  |  |  |  |
| 5 | 1 | Increment/Decrement | 486, 494, 501 |
|  | 2 | While | 523-531 |
|  | 5 | Do-while | 69-197 |
|  | 6 | For loop | 93-100 |
|  | 11 | Files input/output both | 512-558 |
|  | 12 | No breaks in loops \*\*\*\*\*\* |  |
|  |  |  |  |
| 6 | 3 | Function Prototypes | 27-39 |
|  | 5 | Passing by value | 29-39 |
|  | 8 | Returning values from functions | 275, 311, 374 |
|  | 9 | Returning a boolean \*\*\*\*\*\* | 437 |
|  | 10 | No Global Variables Allowed |  |
|  |  | Only Global Constants |  |
|  |  | Meaning Conversions,Physical Con | stants only |
|  | 11 | Static Local |  |
|  | 12 | Default arguments |  |
|  | 13 | Reference Parameters | 29-37 |
|  | 14 | Overloading functions |  |
|  | 15 | Exit function \*\*\*\*\*\*\* | 131 |
|  |  |  |  |
| 7 | 4 | Array Initialization | 44-51 |
|  | 6 | Processing Arrays | 334-346 |
|  | 7 | Parallel Arrays | 574-588 |
|  | 8 | Arrays as function arguments | 29-39 |
|  | 9 | 2-D Arrays | 72, 596-600, 552-553 |
|  | 12 | STL Vector | 54 and 57, 216 |
|  |  |  |  |
| 8 | 1 | Linear and Binary Search | 364-368 |
|  | 3 | Bubble and Selection Sort | 568-580 |
|  | 5 | Search/Sorting Vectors \*\*\*\*\*\* |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| \*\*\*\*\*\* Not | required to | show |  |

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