Cross-List

**Cross Reference for Project 2**

**Where in Code**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter** | **Section** | **Topic** | **Line number** |
| 2 | 2 | cout | Yes |
|  | 3 | libraries | iostream, iomanip, cmath, cstdlib, fstream, string, ctime |
|  | 4 | variables/literals | Yes |
|  | 5 | Identifiers | Yes |
|  | 6 | Integers | Yes |
|  | 7 | Characters | Yes |
|  | 8 | Strings | Yes |
|  | 9 | Floats No Doubles | Yes |
|  | 10 | Bools | Yes |
|  | 11 | Sizeof \*\*\*\*\* |  |
|  | 12 | Variables 7 characters or less | Yes |
|  | 13 | Scope \*\*\*\*\* No Global Variables | Yes |
|  | 14 | Arithmetic operators | Yes |
|  | 15 | Comments 20%+ | Yes |
|  | 16 | Named Constants | No |
|  | 17 | Programming Style \*\*\*\*\* Emulate |  |
|  |  |  |  |
| 3 | 1 | cin | Yes |
|  | 2 | Math Expression | Yes |
|  | 3 | Mixing data types \*\*\*\* |  |
|  | 4 | Overflow/Underflow \*\*\*\* |  |
|  | 5 | Type Casting | Yes |
|  | 6 | Multiple assignment \*\*\*\*\* |  |
|  | 7 | Formatting output | Yes |
|  | 8 | Strings | Yes |
|  | 9 | Math Library | No |
|  | 10 | Hand tracing \*\*\*\*\*\* |  |
|  |  |  |  |
| 4 | 1 | Relational Operators | Yes |
|  | 2 | if | Yes |
|  | 4 | If-else | Yes |
|  | 5 | Nesting | Yes |
|  | 6 | If-else-if | Yes |
|  | 7 | Flags \*\*\*\*\* | Yes |
|  | 8 | Logical operators | No |
|  | 11 | Validating user input | Yes |
|  | 13 | Conditional Operator | No |
|  | 14 | Switch | Yes |
|  |  |  |  |
| 5 | 1 | Increment/Decrement | Yes |
|  | 2 | While | Yes |
|  | 5 | Do-while | Yes |
|  | 6 | For loop | Yes |
|  | 11 | Files input/output both | Yes |
|  | 12 | No breaks in loops \*\*\*\*\*\* |  |
|  |  |  |  |
| 6 | 3 | Function Prototypes | Yes |
|  | 5 | Passing by value | Yes |
|  | 8 | Returning values from functions | Yes |
|  | 9 | Returning a boolean \*\*\*\*\*\* | Yes |
|  | 10 | No Global Variables Allowed | Yes |
|  |  | Only Global Constants |  |
|  |  | Meaning Conversions,Physical Con | stants only |
|  | 11 | Static Local | No |
|  | 12 | Default arguments | No |
|  | 13 | Reference Parameters | No |
|  | 14 | Overloading functions | No |
|  | 15 | Exit function \*\*\*\*\*\*\* | Yes |
|  |  |  |  |
| 7 | 4 | Array Initialization | Yes |
|  | 6 | Processing Arrays | Yes |
|  | 7 | Parallel Arrays | Yes |
|  | 8 | Arrays as function arguments | Yes |
|  | 9 | 2-D Arrays | No |
|  | 12 | STL Vector | Yes |
|  |  |  |  |
| 8 | 1 | Linear and Binary Search |  |
|  | 3 | Bubble and Selection Sort |  |
|  | 5 | Search/Sorting Vectors \*\*\*\*\*\* |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| \*\*\*\*\*\* Not | required to | show |  |

Page 1