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COP 3331

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Lab 1 Questions

7. ♦ Which of the following are valid identifiers? `_word`, `CoLoR`, `lvalue`, `question#`, `one2many`, `Ratio`, `goto`, `+Value`, `break`, `concept`, `False`, `this`?

`_word`, `CoLoR`, `one2many`, `Ratio`, `False`

8. ♦ What is contained in the `iostream` header?

The `iostream` header contains the input and output stream objects. Such as `cout`, the print to console object, and `cin`, the read from console object.

9. ♦ The _____ object represents the standard output stream to write a stream of characters to the console.

`cout`

11. ♦ A _____ is a reusable block of code that performs a specified task. A block of code consists of statements inside a set of _____.

Function, braces `{}`

12. ♦ In `cmath`'s `pow(base, exponent)`, `base` and `exponent` are the of the `pow` function.

Arguments

13. ♦ `int`, `double`, and `char` are built-in _____; `string`, on the other hand, is an _____ defined by the `string` class.

Data types, object

14. ♦ Forgetting a semi-colon at the end of statement will result in a _____ or _____ error.

Syntax, compile-time

15. ♦ How do runtime exceptions and logic errors differ?

A runtime exception is an error that causes the program to stop functioning prematurely or behave erratically, such as an out of bounds error when iterating through an `Array`. A logic error is a coding error such as if you're trying to add 1 to a variable named "value" only if it's above 10, but set your conditional as `if(value < 10){ value++;}`