

Lesson 2:
Intro to OOP

SEARCH

RESOURCES

CONCEPTS

1. Classes and OOP

2. Bjarne On Classes In C++

3. Jupyter Notebooks

4. Structures

5. Member Initialization

6. Access Specifiers

7. Classes

8. Encapsulation and Abstraction

9. Bjarne on Encapsulation

10. Constructors

11. Scope Resolution

12. Initializer Lists

13. Initializing Constant Members

14. Encapsulation

15. Accessor Functions

16. Mutator Functions

17. Quiz: Classes In C++

18. Exercise: Pyramid Class

19. Exercise: Student Class

20. Encapsulation in C++

21. Bjarne On Abstraction

22. Abstraction

23. Exercise: Sphere Class

24. Exercise: Private Method

25. Exercise: Static Members

26. Exercise: Static Methods

27. Bjarne On Solving Problems

Member Initialization

Update the definition of the `Date` structure so that all objects of the structure default to January 1, 2000, upon initialization.

In []:

#include <cassert>
#include <iostream>

// TODO: Update the structure to initialize the member variables to a default of January 1, 2000
struct Date {
 int day(1);
 int month(1);
 int year(2000);
};

int main() {
 Date date;
 assert(date.day == 1);
 assert(date.month == 1);
 assert(date.year == 2000);
 std::cout << date.day << "/" << date.month << "/" << date.year << "\n";
}

Compile & Run

Explain

Loading terminal (id_6hr1vhu), please wait...

Loading [MathJax]/extensions/Safe.js

Menu

Shrink

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