

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

Scope Resolution

SEND FEEDBACK

Exercise: Scope Resolution

Define the Date::Day , Date::Month, and Date::Year functions that are declared in the class definition.

In [ ]:

#include <cassert>

class Date {  
public:  
int Day() { return day; }  
void Day(int day);  
int Month() { return month; }  
void Month(int month);  
int Year() { return year; }  
void Year(int year);  
  
private:  
int day(1);  
int month(1);  
int year(0);  
};  
  
// TODO: Define Date::Day(int day)  
void Date::Day(int day) {  
if(day >= 1 && day <= 31)  
Date::day = day;  
}  
  
// TODO: Define Date::Month(int month)  
void Date::Month(int month) {  
if(month >= 1 && month <= 12)  
Date::month = month;  
}  
  
// TODO: Define Date::Year(int year)  
void Date::Year(int year) { Date::year = year; }  
  
// Test in main  
int main() {  
Date date;  
date.Day(29);  
date.Month(8);  
date.Year(1981);  
assert(date.Day() == 29);  
assert(date.Month() == 8);  
assert(date.Year() == 1981);  
}  
  
Compile & Run Explain

Loading terminal (id\_8pahe0k), please wait...

Menu

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NEXT