

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

Quiz: Classes in C++

SEND FEEDBACK

QUESTION 1 OF 3

The constructor function of a class is a special member function that defines any input parameters or logic that must be included upon instantiation of a class. From what you've seen so far is it required to define a constructor in C++ classes?

No, if undefined C++ will define a default constructor

Yes, without a constructor defined you cannot instantiate a class.

SUBMIT

QUESTION 2 OF 3

What are the three options for access modifiers in C++?

Public (access to anyone), Private (access only within the class) and Permitted (access in friend classes)

Public (access to anyone), Protected (access in friend classes) and Permitted (access only within the class)

Public (access to anyone), Private (access only within the class) and Protected (access in friend classes)

Public (access in friend classes), Private (access only within the class) and Protected (access to anyone)

SUBMIT

QUESTION 3 OF 3

Why does it make sense to specify private member variables with accessor and mutator functions, instead of public member variables?

It doesn't matter actually, you could just as well make them public.

Using getter and setter functions is the only way to modify class member variables in C++.

Often times you want to limit the user's access to class member variables, possibly because of an invariant.

SUBMIT

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