Home 📂 Exercícios de múltipla escolha (em Inglês) 🐎 Capitulo 12

Capitulo 12

This activity contains 19 questions.

1.	Section 12.1 Introduction
	 12.1 Q1: Select the false statement regarding inheritance. A derived class can be the base class for other derived classes. Some derived classes can have multiple base classes. A derived class can contain more attributes and behaviors than its base class. Base classes are usually more specific than derived classes.
2.	<pre>12.1 Q2: Which of the following is not a kind of inheritance in C++? public. protected. static. private.</pre>
3.	 12.1 Q3: The is-a relationship represents. Inheritance. Information Hiding. A friend. Composition.
4.	Section 12.2 Base Classes and Derived Classes 12.2 Q1: Which of the following is most likely a base class of the other three? sedan.

5.	12.2 Q2: Which of the following is not a good example of a hierarchy that could be modeled by inheritance?	
	Animals.	
	Prime numbers.	
	Geometric shapes.	
	Airplanes.	
6.	12.2 Q3: To declare class subClass a privately derived class of superClass one would write:	
	class subclass :: private superClass.	
	class subclass < private superClass >.	
	class subclass : private superClass.	
	class subclass inherits private superClass.	
7.	Section 12.3 protected Members	
	12.3 Q1: From most restrictive to least restrictive, the access modifiers are:	
	private, public, protected.	
	protected, private, public.	
	protected, public, private.	
	private, protected, public.	
8.	12.3 Q2: protected base class members cannot be accessed by:	
	friends of the base class.	
	Functions that are neither friends of the base class, derived-class member functions nor friends of a derived class.	
	friends of derived classes.	
	Functions that are not derived-class member functions.	
	Tunctions that are not derived class member functions.	
9.	Section 12.4 Relationship between Base Classes and Derived Classes	
	12.4 Q1: Assuming the definition,	
	class Circle : public Point	

	which of the following is false?
	The colon (:) in the header of the class definition indicates inheritance.
	O Point is the base class and Circle is the derived class.
	 All the public and protected members of class Circle are inherited as public and protected members, respectively, into class Point.
	The keyword public indicates the type of inheritance.
10.	12.4 Q2: Assuming the following is the beginning of the constructor definition for class Circle which inherits from class Point, Circle::Circle(double r, int a, int b) : Point(a, b) The second line:
	Invokes the Point constructor with values a and b.
	Is unnecessary because the Point constructor is called automatically.
	Indicates inheritance.
	Causes a compiler error.
11.	12.4 Q3: Which of the following is not one of the disadvantages of using the "copy-and-paste" approach to duplicating code from one class into another class?
	 It forces the system to store many physical copies of the code, creating a code-maintenance nightmare. It is time consuming.
	It is time consuming.
	All of the above are disadvantages of the "copy-and-paste" approach.
	— Errors are prone to getting spread around.
12.	12.4 Q4: When should base class members be declared protected?
	When these members should be available only to derived classes (and friends), not to other clients.
	The protected access specified should never be used.
	b. When these members are only used by member functions of this base class.
	When all clients should be able to access these members.

13.	Section 12.5 Constructors and Destructors in Derived Classes 12.5 Q1: When an object of a derived class is instantiated, the constructor initializes the members.
	Derived class, public.
	Base class, base class.
	Base class, derived class.
	Derived class, base class.
14.	12.5 Q2: Base class constructors and assignment operators:
	Should not be called by derived class constructors and assignment operators.
	Can be inherited by derived classes, but generally are not.
	Are not inherited by derived classes.
	 Can call derived-class constructors and assignment operators.
15.	12.5 Q3: Suppose class A inherits from base class B. What is the order in which their constructors and destructors will be called when an object of class A is instantiated and then destroyed?
	B constructor, A constructor, B destructor, A destructor.
	A constructor, B constructor, A destructor, B destructor.
	B constructor, A constructor, A destructor, B destructor.
	A constructor, B constructor, B destructor, A destructor.
16.	Section 12.6 public, protected and private Inheritance
	12.6 Q1: Which forms of inheritance are is-a relationships?Only public and private.Only public.
	All forms of inheritance are is-a relationships.
	Only public and protected.
17.	12.6 Q2: When deriving a class from a protected base class, the public members of the base class become and the protected members of the base class become?
	protected, private.
	protected, protected.

	opublic, private.
	public, protected.
18.	12.7 Q1: Theoretically, clients do not need to see the of classes from which they derive other classes.
	Source code.
	Object code.
	Header files.
	Interface.
19.	12.7 Q2: Which of the following is true about using inheritance in software engineering?
	 Common attributes and behaviors should be factored out of closely related classes and placed into a base class from which the original classes can now inherit.
	 It is best to create a huge class library to make it easy for a client to find the most appropriate class for his or her needs.
	 A class produced through inheritance should be as large as possible to fully encompass all of the functionality it should offer.
	The standard C++ libraries that are shipped with C++ compilers are usually enough to accomplish anything an application might need to do.
	Clear Answers / Start Over Submit Answers for Grading

Answer choices in this exercise appear in a different order each time the page is loaded.



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