

M6: Quiz

Due Apr 21 at 9:59pm

Points 30

Questions 15

Time Limit 20 Minutes

Allowed Attempts 2

Instructions

This quiz covers Chapter 10 (Inheritance and Polymorphism) in your textbook.

Good Luck!

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	12 minutes	26 out of 30

! Correct answers are hidden.

Score for this attempt: **26** out of 30
Submitted Apr 21 at 12:09pm
This attempt took 12 minutes.

Question 1

2 / 2 pts

When one object is a specialized version of another object, there is a(n) _____ between them.

☐ 1:1 ratio

☒ "is a" relationship

☐ "has a" relationship

☐ shared interest

Incorrect

Question 2**0 / 2 pts**

A(n) _____ is a property that appears in a base class, and must be overridden in a (non-abstract) derived class.

- ☒ base property
- ☐ abstract property
- ☐ derived property
- ☐ public property

Question 3**2 / 2 pts**

In object-oriented programming, the _____ is more general than classes related to it.

- ☐ container class
- ☐ default design
- ☒ base class
- ☐ derived class

Question 4**2 / 2 pts**

A(n) _____ is a method with no body that appears in a base class, and must be overridden in a (non-abstract) derived class.

☐ shadow method☐ base method☐ derived method☒ abstract method**Question 5****2 / 2 pts**

The _____ inherits fields, properties, and methods from the base class without any of them having to be rewritten.

☐ super instance☒ derived class☐ initialized object☐ copy class**Question 6****2 / 2 pts**

The _____ declares that a method in the derived class overrides a method in the base class.

☒ override keyword☐ void keyword☐ new keyword☐ virtual keyword

Question 7**2 / 2 pts**

When a derived class method has the same name as a base class method, it is often said that the derived class method _____ the base class method.

- ☐ shadows
- ☐ mimics
- ☒ overrides
- ☐ terminates

Question 8**2 / 2 pts**

A class that is not intended to be instantiated but is to be used only as a base class is called a(n) _____.

- ☒ abstract class
- ☐ dummy class
- ☐ placeholder
- ☐ entity class

Question 9**2 / 2 pts**

Which one of the following is a class header indicating that we are defining a class named Amphibian, which is derived from the Animal class?

- ☒ Amphibian : Animal
- ☐ Animal(Amphibian)
- ☐ Animal->Amphibian
- ☐ Amphibian extends Animal

Question 10

2 / 2 pts

Base classes are sometimes called superclasses, and derived classes are sometimes called _____.

- ☐ planned classes
- ☐ copy classes
- ☐ derivatives
- ☒ subclasses

Question 11

2 / 2 pts

The _____ declares that a derived class is allowed to override the current method in the base class.

- ☐ override keyword
- ☐ class keyword

☒ virtual keyword

☐ static keyword

Question 12

2 / 2 pts

When you want to make sure a specific constructor from the base class is used, the derived class constructor must explicitly call the base class constructor using the _____.

☒ base keyword

☐ const keyword

☐ Override method

☐ out parameter

Question 13

2 / 2 pts

The term _____ refers to an object's ability to take different forms.

☐ adaptation

☒ polymorphism

☐ portability

☐ code reuse

Question 14

2 / 2 pts

A variable declared as a base class type can only be used to reference members declared in the _____.

- ☐ derived class
- ☒ base class
- ☐ abstract class
- ☐ parameterless constructor

Incorrect

Question 15

0 / 2 pts

To allow a property to be overridden, you must include the virtual keyword in the property's declaration in the _____ class.

- ☐ constructor
- ☒ derived
- ☐ base
- ☐ virtual

Quiz Score: **26** out of 30