Week 11 Pre-reading Quiz

Test your knowledge for Week 11!

Question 1 Submitted Jun 10th 2022 at 12:04:59 pm
Which of the following would cause a syntax error?
A sub class reference variable referencing an object of the sub class type
A sub class reference variable referencing an object of the type of the sub class's super class
A super class reference variable referencing an object of the super class type
A super class reference variable referencing an object of the type of one of its sub classes
If you think none of the above will cause a syntax error, select this option
Question 2 Submitted Jun 10th 2022 at 12:05:56 pm
Which of the following is not true about a set of methods that are usefully polymorphic?
This question only considers inheritance-based polymorphism i.e. it does not consider Interfaces.
They must have identical signatures and therefore belong to separate classes
Their classes share a common ancestor class from which they are ultimately inherited
 Their classes share a common ancestor class from which they are ultimately inherited Each should produce a specialised effect appropriate to their class and therefore different to each other

0	If you think all of the above are true, select this option
Quest	ion 3 Submitted Jun 10th 2022 at 12:06:14 pm
Which	of the following is false with respect to downcasting.
	It can be done without declaring a new variable
	It's necessary when you want to invoke a method available in the object's class but not in its reference variable's class
0	The downcast must always be to the object's class
	You can only downcast between classes and/or interfaces connected in a class/Interface hierarchy
	Select this option if you think none of the above are false
Question 4 Submitted Jun 10th 2022 at 12:06:31 pm	
Which of the following are required for method <i>overriding</i> ?	
(sub/s	super means the methods are in two classes that are in an inheritance relationship)
	Same name, same signature, same class
\bigcirc	Same name, different signature, same class
0	Same name, same signature, sub/super class
	Same name, different signature, sub/super class
	Select this option if you think none of the above are required.