Week 10 Pre-reading quiz

Test your knowledge for Week 10!

Question 1 *Submitted Jun 10th 2022 at 11:53:58 am*

Which of the following is **false** about an empty class you have just coded?

- ◯ It has a ***superclass.***

- ◯ It has a **toString** method.

- ◯ It has a constructor.

- ◯ A ***subclass*** can be derived from it.

- ⦿ Select this option if you think none of the above are false.

Question 2 *Submitted Jun 10th 2022 at 11:54:13 am*

Which of the following ***superclass*** components is not inherited by all of its ***subclasses***?

- ◯ Instance variables

- ⦿ Constructor

- ◯ Mutator

- ◯ Accessor

- ◯ Select this choice if you believe all of the above are inherited.

Question 3 *Submitted Jun 10th 2022 at 11:54:56 am*

Which of the following **superclass** components is not directly accessible in any of its **subclasses**?

○ Overridden methods

○ Constructor

○ Mutator

○ Accessor

● Select this choice if you believe all of the above are directly accessible.

Question 4 *Submitted Jun 10th 2022 at 11:56:12 am*

Which of the following are required for method **overloading**?

(**sub**/**super** means the methods are in two classes that are in an inheritance relationship)

○ Same name, same signature, same class

● Same name, different signature, same class

○ 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.

Question 5 *Submitted Jun 10th 2022 at 11:56:21 am*

Which of the following cannot be added to a **subclass**?

○ New public class level variables

○ New private class level variables

○ New public methods

○ New private methods

● Select this option if you think all of the above can be added.

Question 6 *Submitted Jun 10th 2022 at 12:04:34 pm*

Which of the following is false about the **super** call in a **_subclass_** constructor?

○ It must be the first statement in the constructor.

○ If you don't include it Java will try to provide one for you.

● Not including it will always cause a compile error.

○ It must have the same parameter list as the **_superclass_** constructor it is trying to call.

○ Select this option if you think none of the above are false.