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About Question enthuware.ocpjp.v8.2.1312 :


Moderator: [admin](#)Post Reply 

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nikitos



About Question enthuware.ocpjp.v8.2.1312 :

 Thu Apr 13, 2017 6:16 am

I think that objects wrapped by this class are not thread-safe

If

1 in constructor copy input parameter to the obj

2 in getObject method returns copy of the obj

=> it will be thread-safe

Am I right?




admin

Site Admin



Re: About Question enthuware.ocpjp.v8.2.1312 :

 Thu Apr 13, 2017 6:22 am

No, that is not correct.

1. Because even if you return a copy of the object in getObject, a reference of this object that was passed to setObject already exists outside this class.

2. You dont know whether the clone is a deep clone or a shallow clone. It depends on how the class of the wrapped object is written.

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danidark9312



Re: About Question enthuware.ocpjp.v8.2.1312 :

 Thu Jul 12, 2018 11:03 am

This class will not even compile, because it has a final field that is not initialized, compile error will be shown, isn't this correct ?

10 - Threads : Tough

Q 48 of 65 QID : enthuware.ocpjp.v7.2.1312

☐ Hide Section/Toughness ☐ Mark

A programmer is using the following class for wrapping objects and passing it around to multiple threads. Which of the given statements regarding this class are correct?

```
public class DataObjectWrapper
{
    private final Object obj;

    public DataObjectWrapper(Object pObj){ obj = pObj; }

    public Object getObject() { return obj; }
}
```

You answered incorrectly
You had to select 1 option

- ☐ Objects of this class are thread safe but the objects wrapped by this class are not thread safe.
- ☒ Objects of this class are thread safe but you cannot say anything about the objects wrapped by this class.
- ☐ Objects of this class are not thread safe.
- ☐ Objects of this class as well as the objects wrapped by this class are thread safe.
- ☒ None of these.

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Re: About Question enthuware.ocpjp.v8.2.1312 :

Thu Jul 12, 2018 11:27 am

What happened when you actually tried to compile it?

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__JJ__



Re: About Question enthuware.ocpjp.v8.2.1312 :

Thu Jul 26, 2018 6:28 pm

Ha ha yes.

final fields do not need to be initialized with a value at the same time that they are declared; they can be initialized in either an IIB or a constructor.



jbilkes



Re: About Question enthuware.ocpjp.v8.2.1312 :

Tue Nov 20, 2018 1:28 pm

If the constructor was a method, setObject or something, this class would be thread-unsafe right? since a calling class could insert and get it right after thinking it would get that object while another thread could called the setter in the period between these 2 actions.

To put it differently, would you call a class with only getters and setters thread-unsafe?

admin
Site Admin



Re: About Question enthuware.ocpjp.v8.2.1312 :

Tue Nov 20, 2018 9:22 pm

Correct, assuming the setter does not use any synchronization mechanism, it would be thread unsafe.

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