**Exam Simulator** 

Questions

PiotrNowicki.com

← Previous

Q14 - Number of Filter Instances [5]



## Q14 - Number of Filter Instances [5]

Consider the following Deployment Descriptor code snippet:

```
<filter>
    <filter-name>NullFilter 1</filter-name>
    <filter-class>com.nullhaus.NullFilter</filter-class>
```

and the following Filter code:

```
package com.nullhaus;
import javax.servlet.annotation.*;
import javax.servlet.*;
@WebFilter(urlPatterns = {"/*"}, filterName="NullFilter 1")
public class NullFilter implements Filter {
        // necessary methods goes here
```

Knowing that above DD snippet is the only filter-related part, how many filter instances will be created by the Servlet container?

a. 1

b. 2

- c. Deployment Descriptor is invalid and the runtime exception will be thrown

Hide answer

Explanation: If the @WebFilter name is specified, and it's the same as the DD one, the exception will not be thrown and the container will initialize only one instance of the filter. Moreover, the values specified in the annotation will be added to the attributes defined in the DD. From the logical point of view, there is only one Filter named "MyFilter 1" with url-patterns "/\*".