

## Q10 - Number of Filter Instances

Consider the following Deployment Descriptor code snippet:

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

<filter>
  <filter-name>MyFilter 2</filter-name>
  <filter-class>com.nullhaus.MyFilter</filter-class>
</filter>

<!-- rest of entries -->
```

Knowing that the `com.nullhaus.MyFilter` is a valid Filter class, the above snippet is the only filter-related DD part and that there aren't any annotations related to the filter configuration, 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

**b**

**Reference:** page 49, 6.2.4 "Configuration of Filters in Web Application"

**Explanation:** If the programmer will define two filters with the same filter class, the container is **enforced** to create two instances of the filter.