

## Q23 - Web Fragments Scanning [3]

What will be the order in which the container will scan and combine web fragments to form the effective Deployment Descriptor (attributes for `<web-app>` and `<web-fragment>` intentionally omitted; assume the default values):

**web.xml**

```
<web-app metadata-complete="false">
  <absolute-ordering>
    <name>Fragment 1</name>
    <name>Fragment 2</name>
  </absolute-ordering>
</web-app>
```

**web-fragment.xml**

```
<web-fragment>
  <name>Fragment 1</name>
  <ordering>
    <after>Fragment 2</after>
  </ordering>
</web-fragment>
```

**web-fragment.xml**

```
<web-fragment>
  <name>Fragment 2</name>
</web-fragment>
```

- a. web.xml, Fragment 1, Fragment 2
- b. web.xml, Fragment 2, Fragment 1
- c. Fragment 1, Fragment 2, web.xml
- d. Fragment 2, Fragment 1, web.xml
- e. web.xml
- f. At least one of the above Deployment Descriptors is invalid

Hide answer

a

Reference: page 66, 8.2.2 "Ordering of web.xml and web-fragment.xml"

Explanation: When the `<absolute-ordering>` element is present in the web.xml, it defines the effective order of the web-fragments. Any occurrences of `<ordering>` element within the web-fragment.xml will be **ignored**.

The `metadata-complete` attribute of the `<web-app>` element in web.xml is by default set to **false**, which means that **the container will scan** for web-fragments that can be combined into final Deployment Descriptor.