

Q42 - Web Fragments Assembling [2]

Considering the following web fragments (`<web-fragment>` attributes intentionally removed):

Web Fragment 1

```
<web-fragment>
  <servlet>
    <servlet-name>NullHaus Servlet</servlet-name>
    <servlet-class>com.nullhaus.NullServlet</servlet-class>
    <init-param>
      <param-name>myParam</param-name>
      <param-value>test1</param-value>
    </init-param>
  </servlet>
</web-fragment>
```

Web Fragment 2

```
<web-fragment>
  <servlet>
    <servlet-name>NullHaus Servlet</servlet-name>
    <servlet-class>com.nullhaus.NullServlet</servlet-class>
    <init-param>
      <param-name>myParam</param-name>
      <param-value>test2</param-value>
    </init-param>
  </servlet>
</web-fragment>
```

What will be the result of the request made to the following servlet:

```
package com.nullhaus;

// necessary imports goes here
@WebServlet(urlPatterns={"/foo/*"}, name="NullHaus Servlet")
public class NullServlet extends HttpServlet {
    public void doGet(HttpServletRequest req, HttpServletResponse resp) {
        String myParam = getInitParameter("myParam");

        resp.getWriter().println(myParam);
    }
}
```

- a. test1
- b. test2
- c. test1, test2
- d. test2, test1
- e. test1 and test2, but the order of these values is unspecified
- f. null
- g. The web fragments are invalid and the application will not be deployed
- h. The servlet code will not compile

Hide answer

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Reference: page 74, 8.2.3 "Assembling the descriptor from web.xml, web-fragment.xml and annotations"

Explanation: The situation in which two **different web fragments** defines the **same name** of a `<init-param>` but with different values is as a **configuration conflict**. It will result in an application deploy **failure**.