

Q27 - Annotation Servlets Definition

Considering the following Servlet code, choose the statements which are true:

```
package com.nullhaus;  
  
import javax.servlet.annotation.*;  
import javax.servlet.http.*;  
  
@WebServlet("nullHausServlet")  
public class NullServlet extends HttpServlet {  
}  
}
```

- a. This is valid usage of `@WebServlet` annotations which creates a Servlet with "nullHausServlet" name
- b. This is valid usage of `@WebServlet` annotations which creates a Servlet with "nullHausServlet" url-pattern value
- c. This is an invalid usage of `@WebServlet` annotations because of the wrongly formed url-pattern value
- d. This code doesn't compile, because NullHausServlet need to implement one of doGet(-), doPost(-), etc. methods
- e. This code doesn't compile, because the value of `@WebServlet` annotation attribute ("nullHausServlet") must be defined using `@WebServlet(value = "nullHausServlet")` construct
- f. This code doesn't compile, because there is no `@WebServlet` annotation, but `@Servlet`

[Hide answer](#)

c

Reference: page 62, 8.1.1 "@WebServlet"

Explanation: There is a `@WebServlet` annotation, so f is incorrect.

This code compiles fine, as the `HttpServlet` is an abstract class, but **none of the methods are abstract**; therefore empty class implementation is perfectly valid, so d is incorrect.

The `@WebServlet` annotation defines two ways of specifying url-pattern for the annotated Servlet - directly into the `@WebServlet` annotation (as in the example - implicitly using **value** attribute) or using an **urlPatterns** attribute. So, the e and a are incorrect.

The url-pattern should start with "/", so this url-pattern is invalid, therefore b is incorrect.