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Instructions

How is it going ? Do you have problems with practical tasks ? Any concerns with learning materials ?

0 responses

Today's agenda

- Total Recall
- Servlet
- Quiz
- Questions

Total Recall

What do you remember from the previous workshop ?

my memory is short

Better use tomcat from marketplace

2

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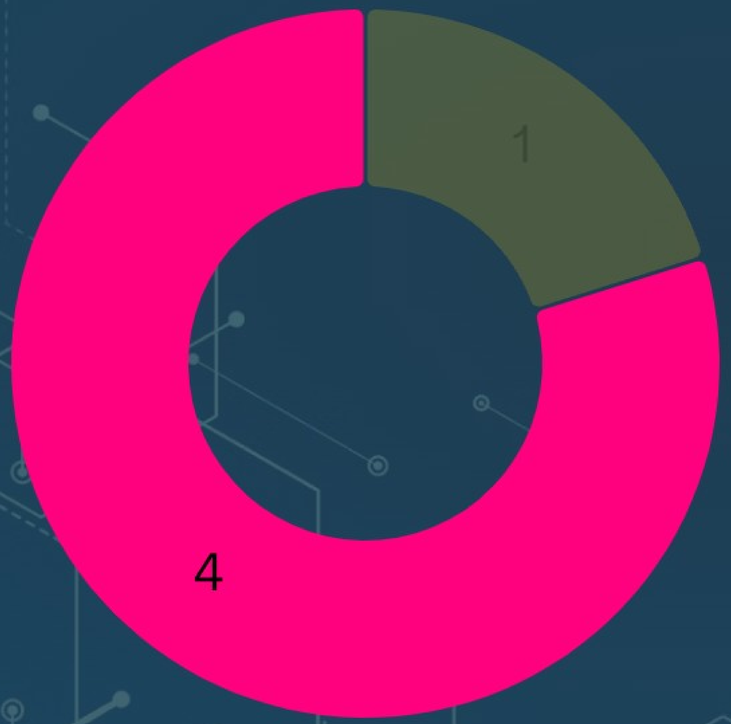
Which of the following is a lifecycle method of a Java servlet?



0	A) run()	×
1	B) exit()	×
4	C) destroy()	✓
0	D) main()	×

5

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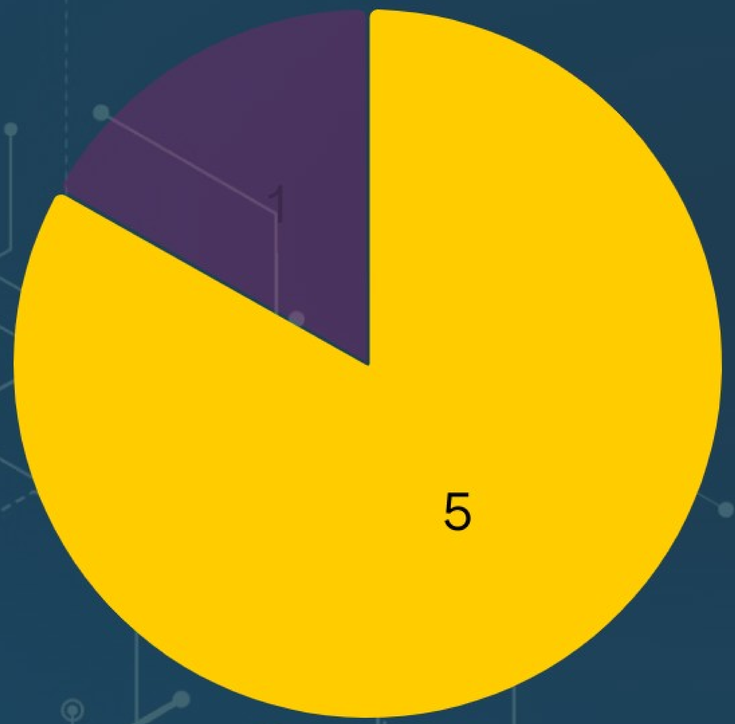
What interface must be implemented by all servlets in Jakarta Servlet?



0	A) HttpServlet	×
5	B) Servlet	✓
1	C) GenericServlet	×
0	D) ServletConfig	×

6

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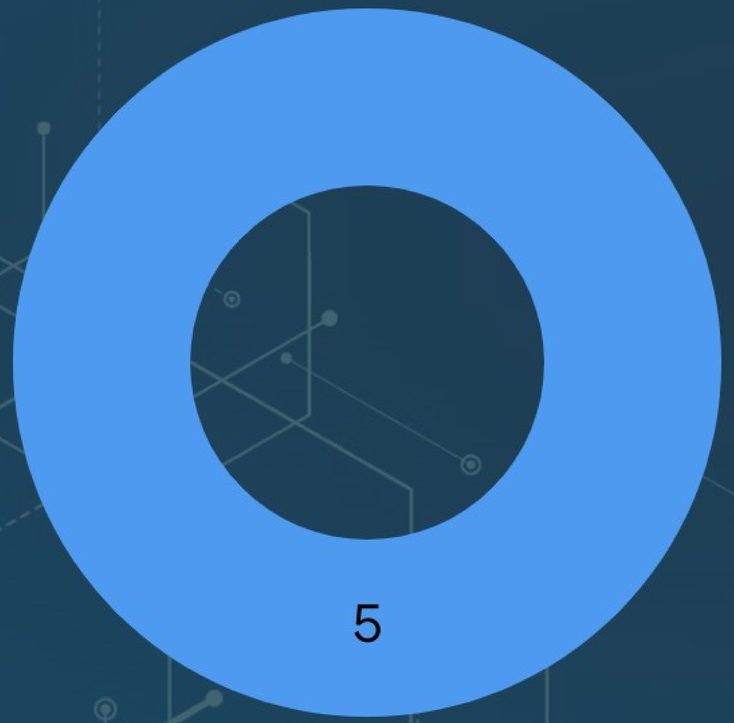
In Jakarta Servlet, which method is used to get initialization parameters?



5	A) getInitParameter()	✓
0	B) getParameter()	×
0	C) getConfig()	×
0	D) getServletConfig()	×

5

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Which file in Apache Tomcat is used to configure server-wide resources and settings?

4	A) server.xml
0	B) web.xml
0	C) context.xml
0	D) tomcat-users.xml

1

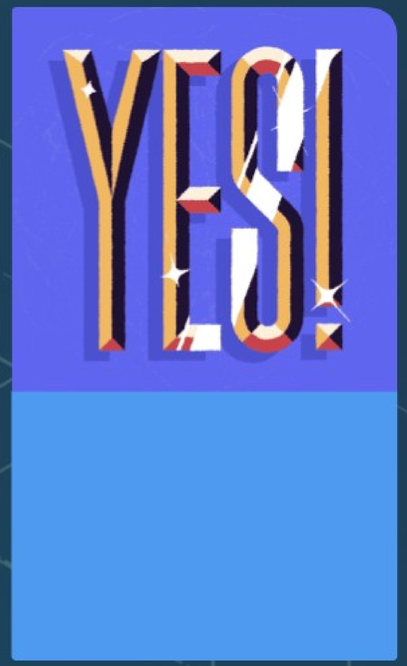
4

Servlets and JSP (ws-12)

SERVLET

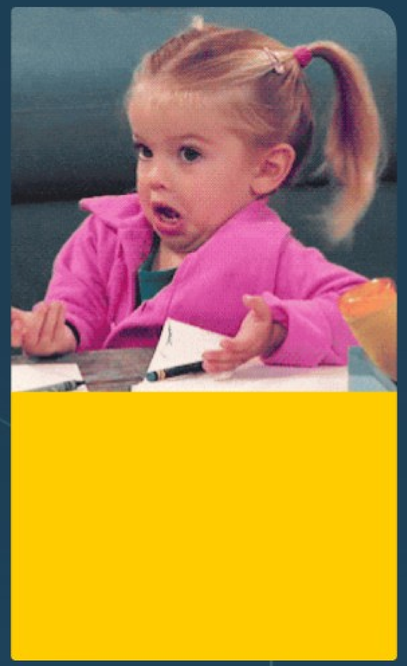
Have you started 'Servlet and JSP'?

2



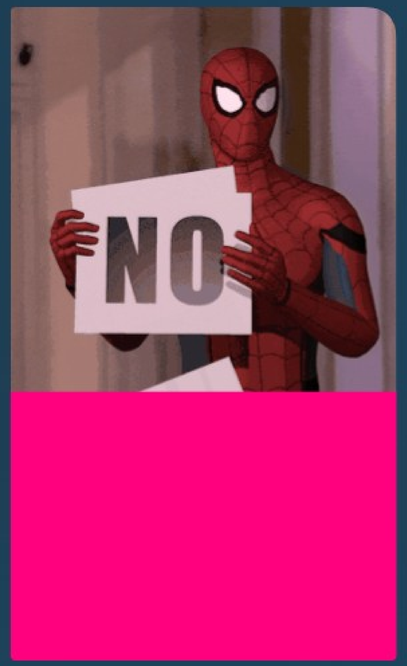
yessssssss

2



?!?!?!?!?!?!?!?!?!?!?!?!

2



noooooooo

6

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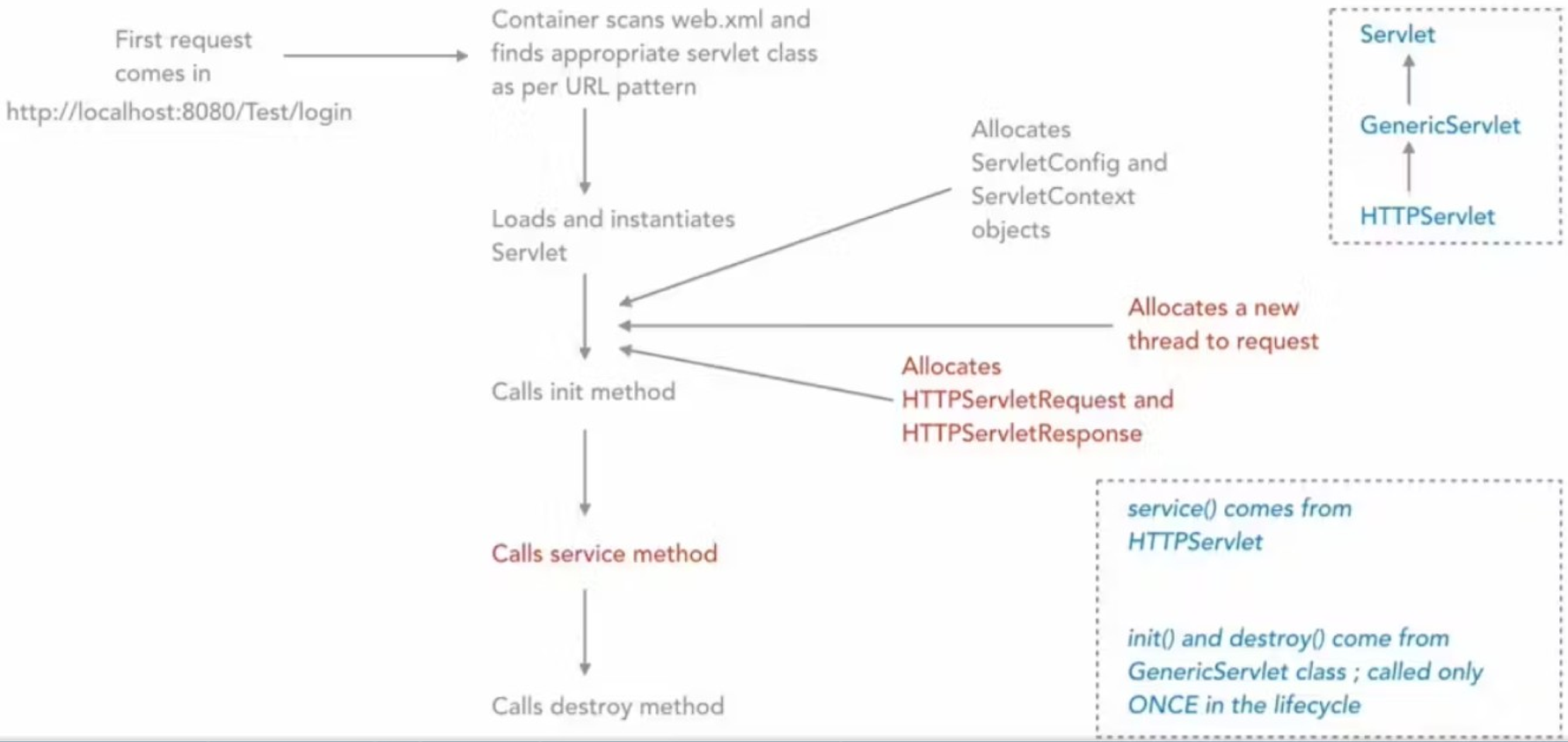
Servlet quick start

practice...

Servlet Life Cycle for First Request to a Servlet



LINKS

https://docs.oracle.com/cd/E13222_01/wls/docs92/webapp/configureservlet.html

Scopes

Request
Session
Context (JSP)
Page (JSP)

Key players

User Agent (Browser)

Server (Web Server)

Servlet Container (Tomcat)

Servlet (javax.servlet.http.HttpServlet)

Before servlet found flow

Browser send request

Server receives it and passes to Tomcat

Tomcat looks in web.xml

Tomcat finds URN pattern

Tomcat finds servlet class

When servlet is defined flow

Tomcat checks servlet instance

If exists: reuses

If doesnt exist: create an instance

Servlet calls #init() method

When servlet is ready flow

Tomcat passes req and resp to servlet
Request and Response got to #service()
#service() address data to proper method

Explain <% %> and <%= %> and <%! %>?

1. scriplet for java statements: if condition, for loop
2. expression: evaluate java and get value then print on page
3. declaration: add methods toJSP

What JSP directives do you know?

@page - add java imports, stores jsp settings

@include - add other JSP into current

What JSP implicit objects do you know?

out
request (Scope)
response
session (Scope)
config (ServletConfig)
application (ServletContext)
exception
pageContext

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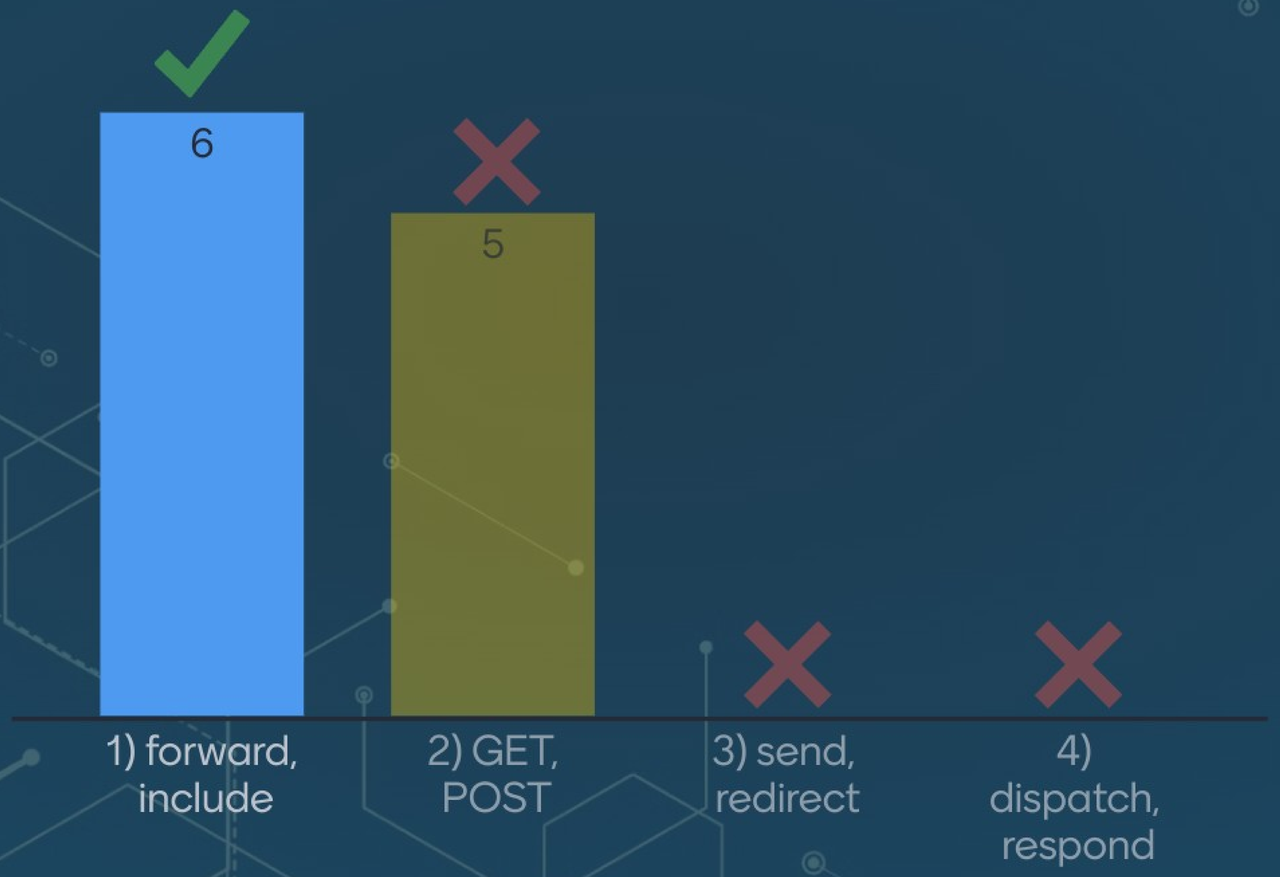
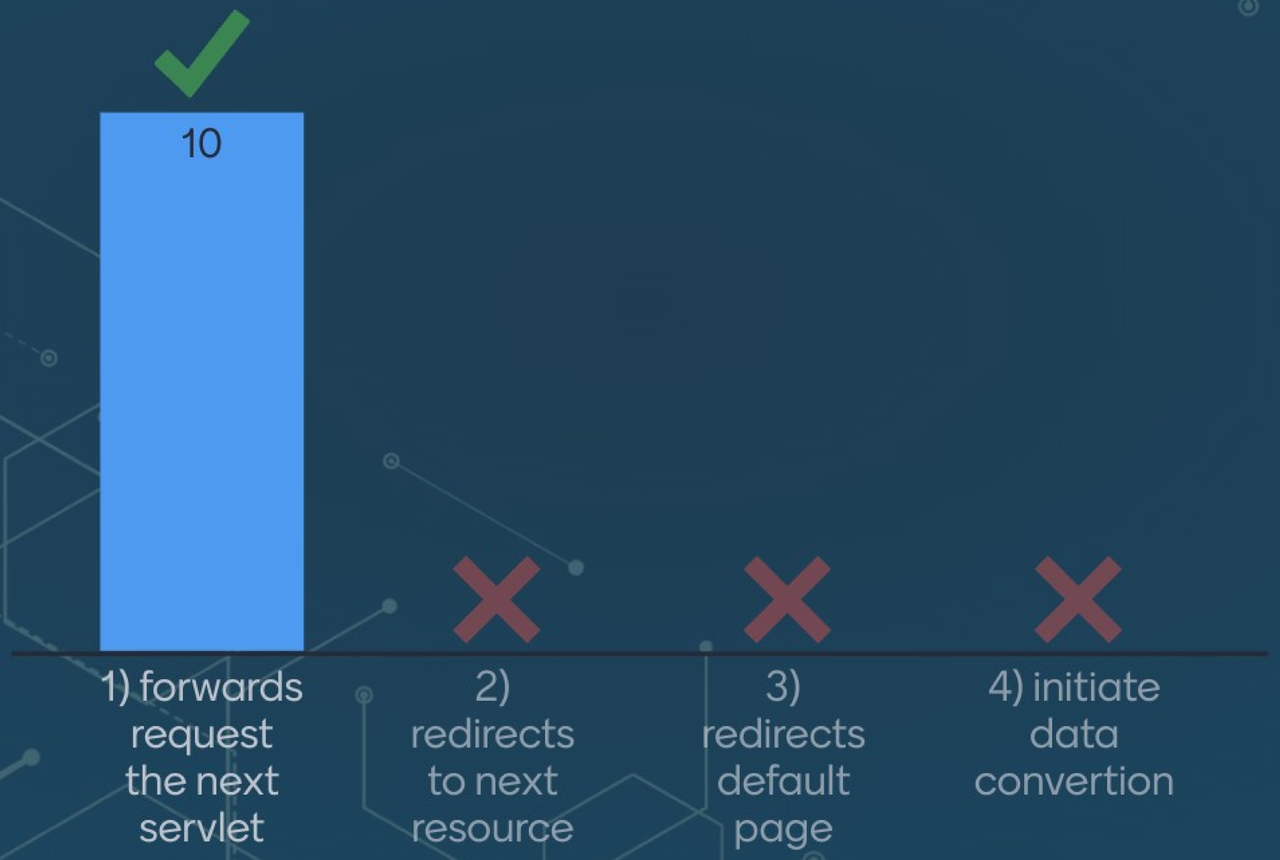
Quiz

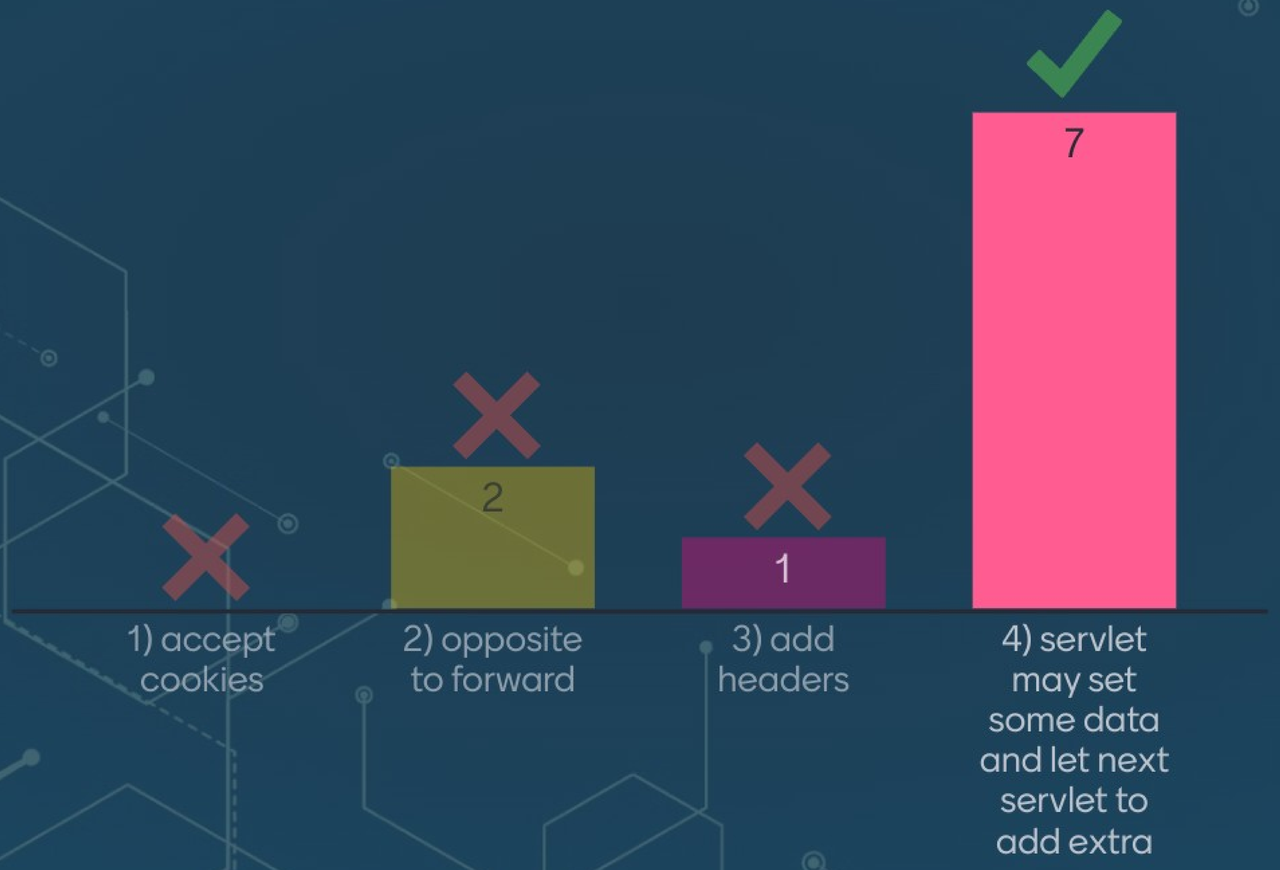
Name two RequestDispatcher methods



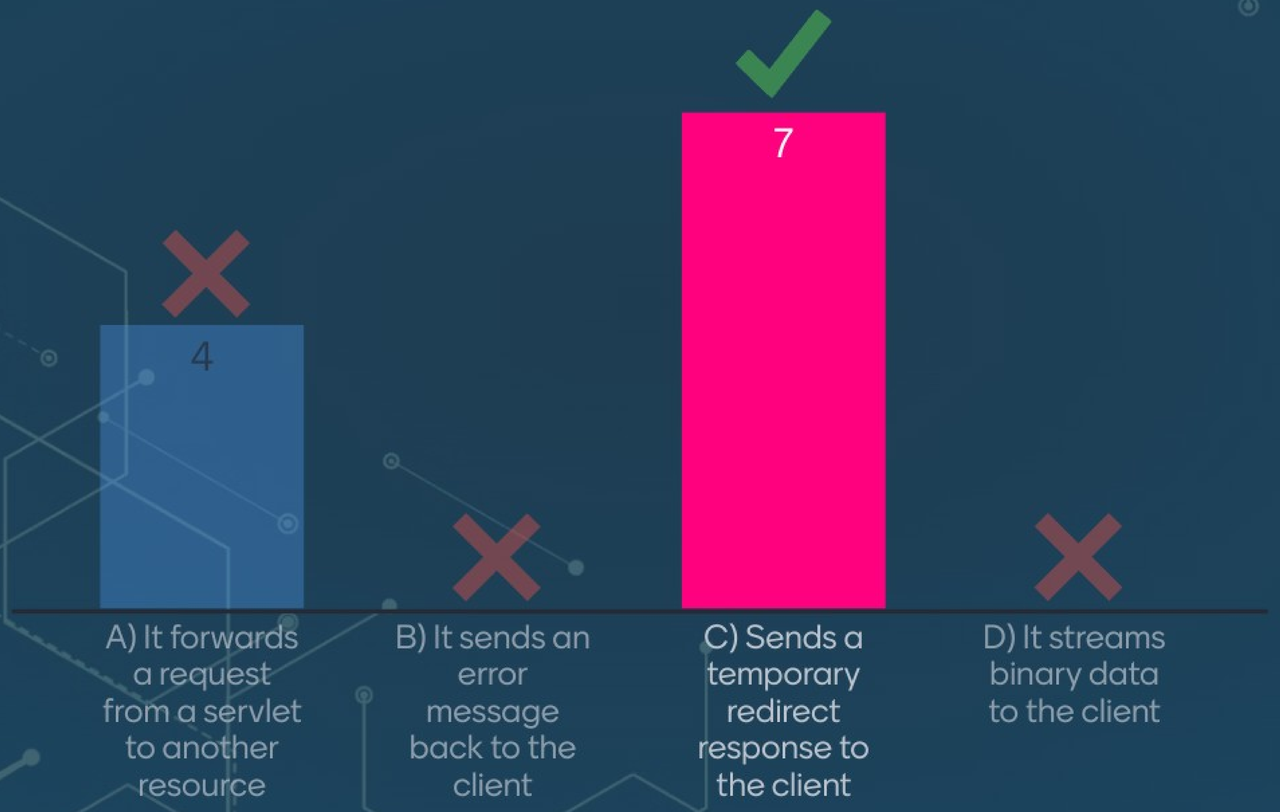
What does RequestDispatcher.forward do?



What does RequestDispatcher.include do?



What does HttpServletResponse.sendRedirect() do?



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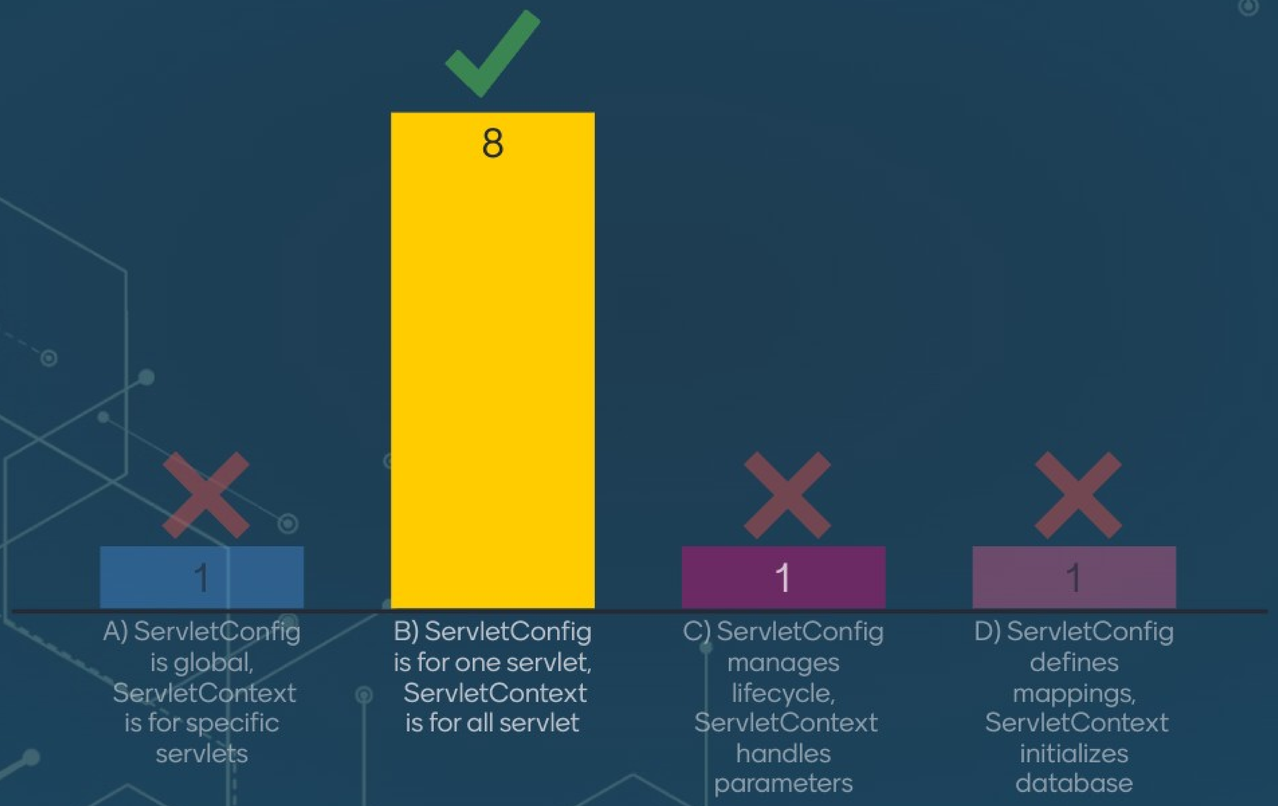
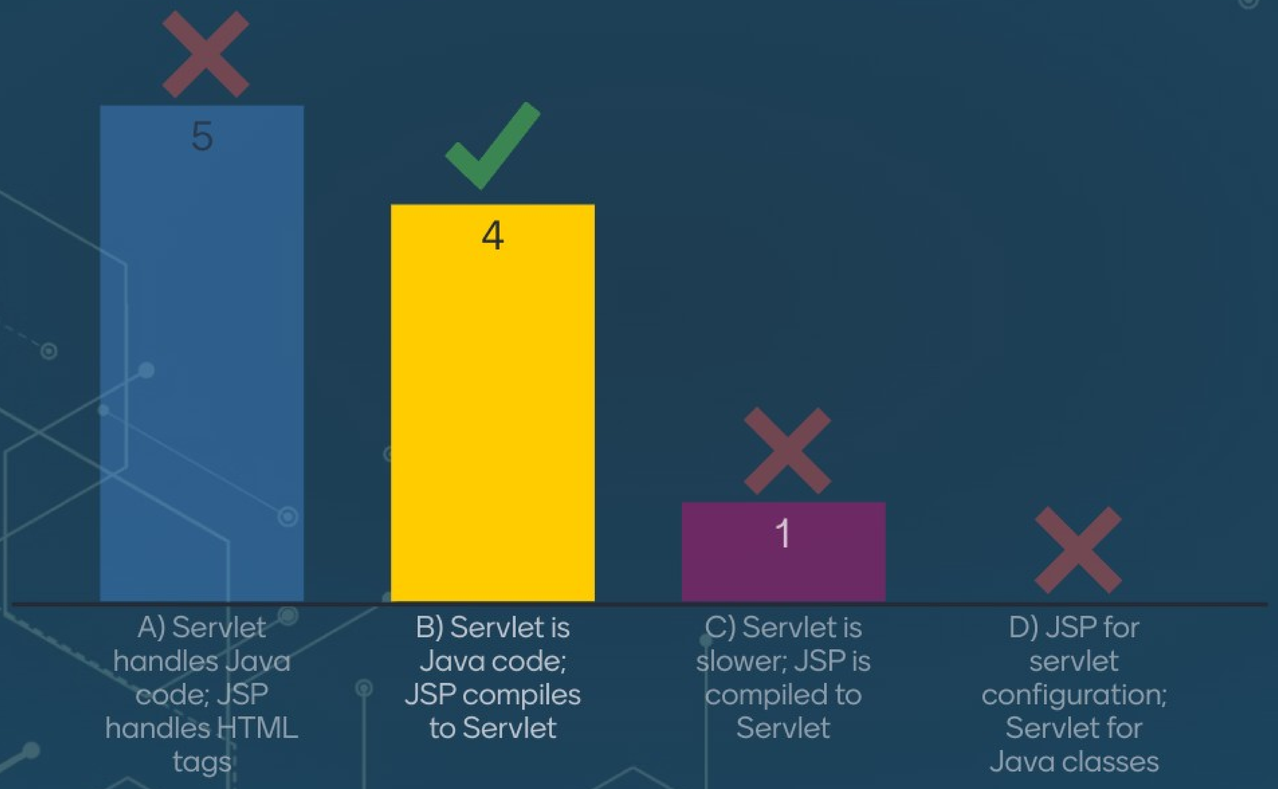
Difference between ServletConfig and ServletContext?

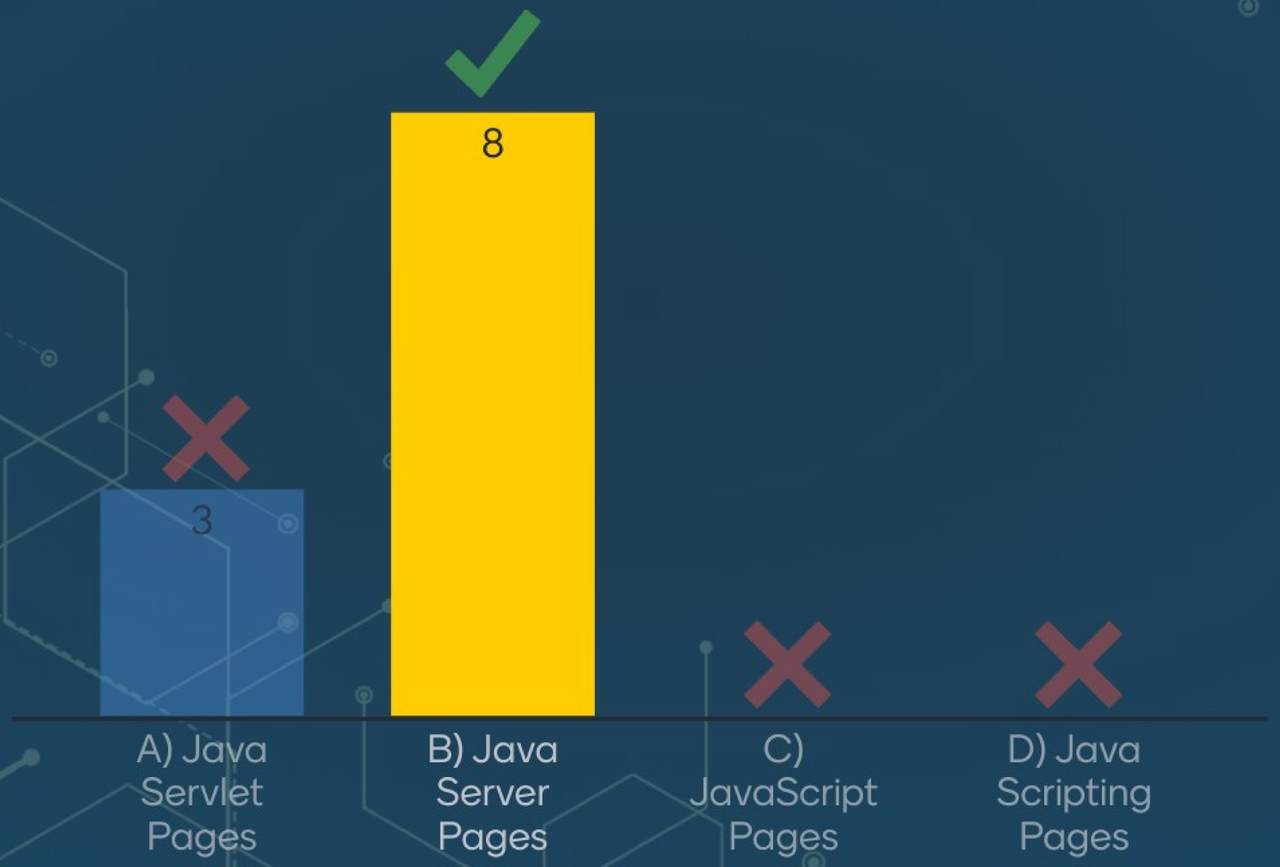


1 1

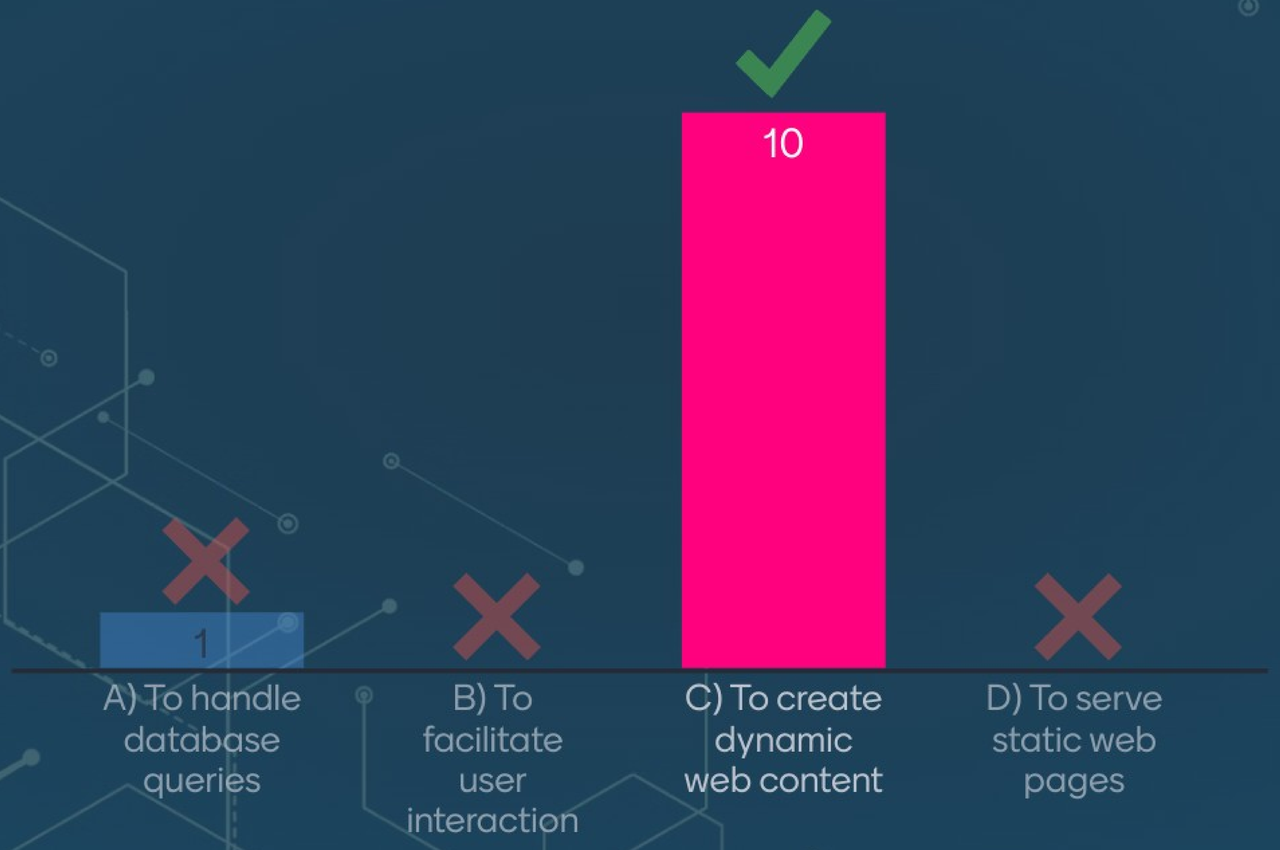
Difference between Servlet and JSP?



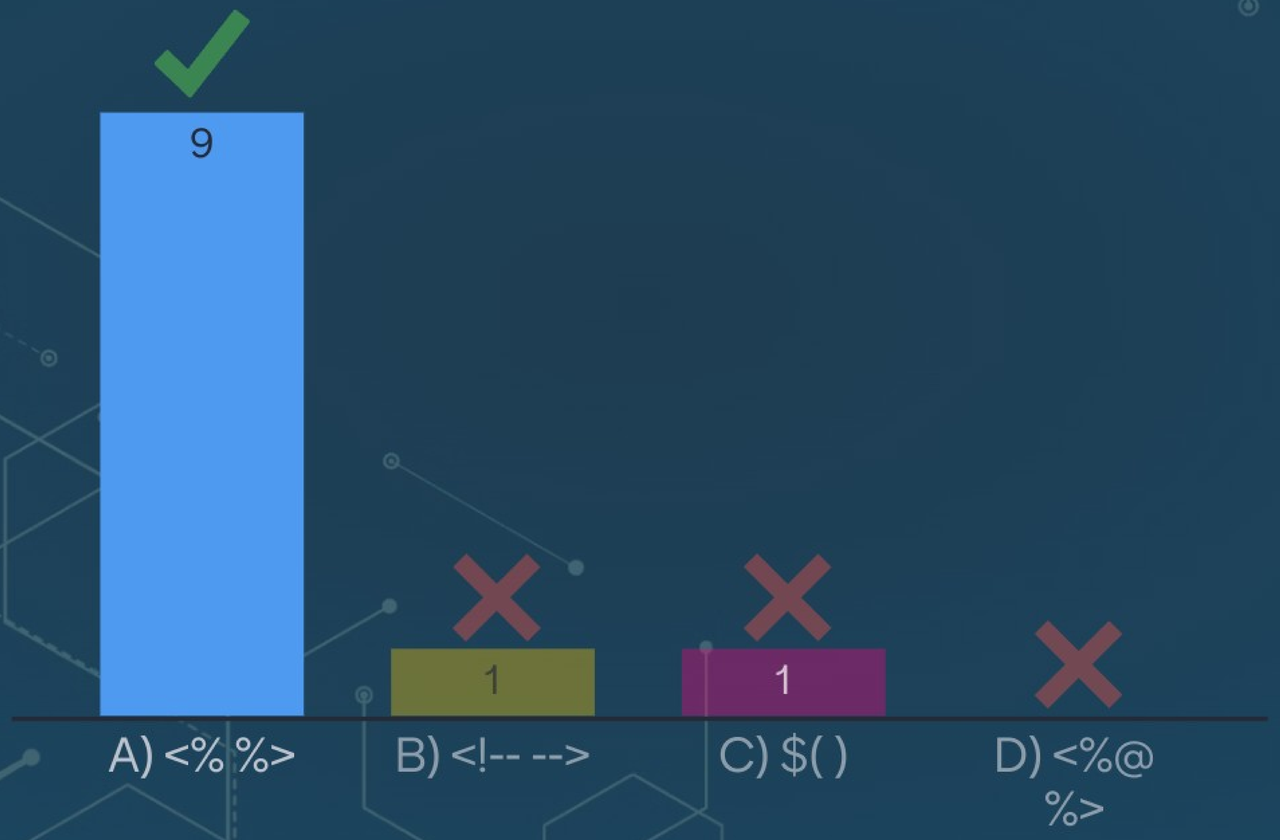
What does JSP stand for?



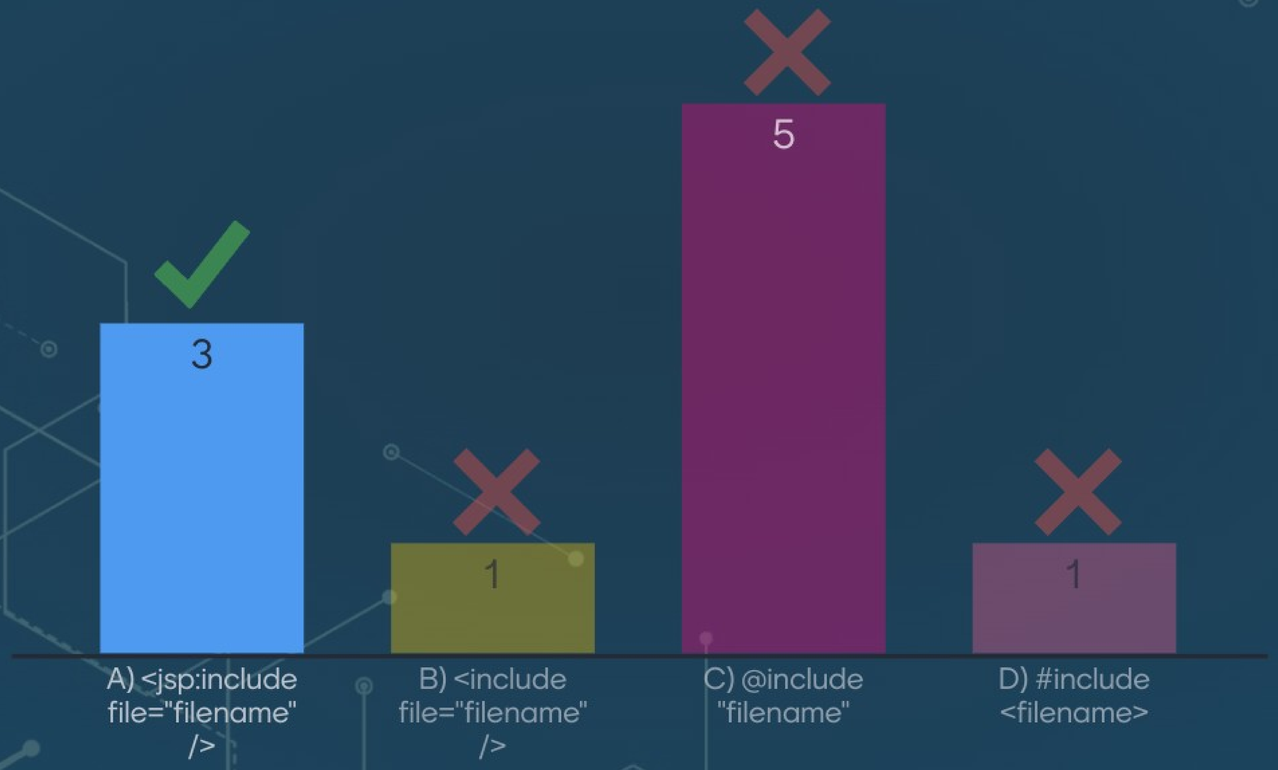
What is the primary purpose of JSP?



Which tag is used to write Java code inside a JSP file?



How can you include another file in a JSP page?



Quiz leaderboard

Next time: Servlet + Tomcat

Questions?

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