

JSP and Servlets Questions

1. Explain how a JSP is ran into your Servlet
2. JSP expressions: True or False?

expressions and page directive

Valid? (Check if valid, and if not, explain why not.)

- ☐ `<%= 27 %>`
- ☐ `<%= ((Math.random() + 5)*2); %>`
- ☐ `<%= "27" %>`
- ☐ `<%= Math.random() %>`
- ☐ `<%= String s = "foo" %>`
- ☐ `<%= new String[3] %>`
- ☐ `<%= 42*20 %>`
- ☐ `<%= 5 > 3 %>`
- ☐ `<%= false %>`
- ☐ `<%= new Counter() %>`

3.

Task	Web server	Container	Servlet
Creates the request & response objects			
Calls the service() method			
Starts a new thread to handle requests			
Converts a response object to an HTTP response			
Knows HTTP			
Adds HTML to the response object			
Has a reference to the response objects			
Finds URLs in the DD			
Deletes the request and response objects			
Coordinates making dynamic content			
Manages lifecycles			
Has a name that matches the <servlet-class> element in the DD			

4. Explain the differences between an Application Server and a Full application server

5.- Servlet code:

```
foo.Person p = new foo.Person();
p.setName("Leelu");
foo.Dog d = new foo.Dog();
d.setName("Clyde");
foo.Toy t1 = new foo.Toy();
t1.setName("stick");
foo.Toy t2 = new foo.Toy();
t2.setName("neighbor's cat");
foo.Toy t3 = new foo.Toy();
t3.setName("Barbie™ doll head");
d.setToys(new foo.Toy[]{t1, t2, t3});
p.setDog(d);
request.setAttribute("person", p);
```

Compose the EL for this output:

Leelu's dog Clyde's toys are: stick, neighbor's cat, and a Barbie™ doll head

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