

COMP4711 Midterm – Sample Questions

I have not finalized the midterm, but I expect there to be multiple choice questions, completion questions, and some short answer ones. I do not have a breakdown yet. The questions presented here are representative of the style I plan to use.

Sample multiple choice

To simply display the server's system date on a client's web page, which of the following JSP script is utilized:

- (a) `<%= new java.util.Date() %>`
- (b) `<% new java.util.Date() %>`
- (c) `<%! new java.util.Date() %>`
- (d) `<%@ new java.util.Date() %>`
- (e) `<jsp: new java.util.Date()/>`

Sample multiple choice

To simply import the java.util package into a JSP, you would use:

- (a) `<%= import java.util.* %>`
- (b) `<% import java.util.* %>`
- (c) `<%! import java.util.* %>`
- (d) `<%@ import java.util.* %>`
- (e) `<%@ page import "java.util.*" %>`

Sample completion

The acronym JSP stands for _____.

Sample completion

`&title;` is an example of _____ in the following DTD code snippet?

```
<!DOCTYPE MAGAZINE[
<!ENTITY title "Painters Quarterly">
]>
<MAGAZINE>
<TITLE>&title;</TITLE>
<p>Welcome to the first issue of &title;.
&title; is targeted at the amateur painter.
</MAGAZINE>
```

Sample short answer

Why is SAX preferable to DOM when processing large XML documents?

Sample short answer

Below is an example of XML schema being used to restrict the value of an attribute based on a pattern:

```
<xs:simpleType name="SKU">
  <xs:restriction base="xs:string">
    <xs:pattern value="\d{3}-[A-Z]{2}"/>
  </xs:restriction>
</xs:simpleType>
```

Give an example of data that would match this pattern restriction.