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Quiz answers to the JSP intro lesson.

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1 What is the main value of Java Server Pages?

Answer:

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| Simplifies writing HTML compared to how it was done with servlets.  Separate display from processing. |

2 How are JSP pages related to servlets?

Answer:

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| JSP is essentially a servlet, one should understand servlets to effectively deal with JSPs. |

3 How are JSP pages related to HTML?

Answer:

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| JSP simply puts Java inside HTML pages. but JSP runs on the server, HTML runs on browser. |

4 Give an example of a JSP scriptlet and show how it will look in the JSP servlet .

Answer:

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| A JSP element that provides the embedded Java statements to be executed as part of the service method of the Servlet class.  [% ArrayList list = new ArrayList(); list.add(“foo”); %] It is translated in Servlet in \_jspService Method  ArrayList list = new ArrayList(); list.add("foo"); |

5 Give an example of a JSP declaration and show how it will look in the JSP servlet.

Answer:

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| A JSP element that provides the embedded Java declaration statements to be inserted into the Servlet class. [% … %] [%! int count=0 %]   It is translated in Servlet in as instance field under the class  int count =0; |

7 Give an example of a JSP comment and show how it will look in the JSP servlet .

<%—this is a JSP comment, note the difference from an html comment, which uses ! -- >

It will not appear in the JSP servlet. It is removed when the container translates the JSP to java.

6 Give an example of a JSP expression and show how it will look in the JSP servlet .

Answer:

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| A JSP element that provides the embedded Java expressions to be evaluated as part of the service method of the Servlet class. [%= ++count %] It is translated in Servlet in \_jspService Method out.println(++count); |

10 Give an example of a JSP directive and show how it will look in the JSP servlet .

Answer:

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| [%@ page import="java.util.\*" %] and it will look in the jsp servlet import java.util.\*; |

11 Explain how an EL expression is evaluated.

Answer:

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| when evaluating the expression ${product}, the container will look for product in the page, request, session, and application scopes and will return its value. If product is not found, null is returned |

12. Explain how servlet attributes are involved in EL expressions.

ANSWER: EL expressions assume that the first identifier in the expression is the key of a servlet attribute, and searches through the different attribute scopes using that key.

17 Explain how servlets and JSPs use request dispatch to interact.

Answer:

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| Servlets make jsp take over a request by first  1. Putting the model data into a request scope (request.setAttributes(“styles”, result). 2. Getting the dispatcher for view JSP (request.getRequestDispatcher(“result.jsp”); 3. Tell the JSP to take over by passing the request and response object (view.forward(request, response)) |