

Web Technologies

1. (a) Describe the primitive data types that Javascript uses.
(b) Write a script that reads an integer and determines and displays whether it is an odd or even number.
2. (a) What are the different types of lists in HTML? Explain how these lists are created in HTML with suitable examples.
(b) Explain how a basic table is created using HTML.
3. (a) What is XML? Explain the various features of XML.
(b) What is Document Type Definition (DTD)? Explain how a DTD is created.
4. Take the TickTock Bean available in JDK, build an application which controls the Colors Bean. Develop the necessary code to exhibit the bound properties of java beans with the above mentioned beans.
5. Explain the following terms related to HTML table:
 - (a) Cell padding and spacing
 - (b) Borders
 - (c) Formatting content in Table cells
 - (d) Nested tables.
6. (a) Describe the major differences between Java and Javascript.
(b) Write a javascript which asks the user to enter two integers, obtains the numbers from the user and outputs HTML text that displays the larger number followed by the words "LARGER NUMBER" in an information message dialog. If the numbers are equal, output HTML text as "EQUAL NUMBERS".
7. (a) Write a javascript to display the denomination of the amount deposited in the bank in terms of 100's, 50's, 20's, 10's, 5's, 2's & 1's. (Eg: If deposited amount is Rs.163, the output should be 1-100's, 1-50's, 1- 10's, 1-2's & 1-1's)
(b) What is function? Explain how parameters are passed to functions in javascript.
8. (a) Describe the major differences between Java and Javascript.
(b) Write a javascript which asks the user to enter two integers, obtains the numbers from the user and outputs HTML text that displays the larger number followed by the words "LARGER NUMBER" in an information message dialog. If the numbers are equal, output HTML text as "EQUAL NUMBERS".
9. (a) With a suitable example explain the creation of namespaces in XML.
(b) Explain the various types of XML schema data types used.
10. (a) What are the benefits of using styles compared with placing formatting directly into the text of the Web page?
(b) What is a stylesheet class?
(c) Describe the different ways that styles can be added to a page.