Formatting Text Using Tags

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| **Assignment Question** |
| Dorothy Smith works for **SciFurniture Inc.** as a lead Web designer. SciFurniture are pioneers in the field of manufacturing of plywood and veneer products. The organization plans to redesign their Web site and transition it according to the new HTML5 Standards.  Dorothy has been given the following write-up about the About Us page of SciFurniture Inc. Figure 3.1 displays the About Us page.    **Figure 3.1: About Us Page Write-up**  The write-up is not formatted, but Dorothy needs to put it in a formatted manner on the Web site. For this, the following tasks needs to be performed by Dorothy:   1. Provide the heading format for all the headings and sub headings on the Web site. 2. Apply the required formatting such as bold, italics, and so on. 3. The list of products must appear as a bulleted list in the Web site.   Assume that you have been given the task of assisting Dorothy and implement these tasks. |

2. Creating Hyperlinks and Anchors

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| **Assignment Question** |
| **Archer Industries** is a reputed pharmaceutical company based in **Washington**, **USA**. The company is planning to diversify into the field of software development to expand the business. For this purpose, the CEO has decided to create a new Web site in HTML5. The CEO has prepared a layout for the new Web site as shown in figure 4.1.    **Figure 4.1: Five Years Sales Report**  As a Web site Design company representative, you need to perform the following tasks:   1. Create the five pages as shown in the NAV section. 2. Link all the pages to other pages. |

3. Formatting Using StyleSheets

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| **Assignment Question** |
| **Matador Inc.** is a world renowned e-learning company in **Texas**, **USA**. The company offers online courses for all subjects for students from junior to high school level.  Recently, the company started an online course for graduates pursuing different stream. The management of the company has decided to upload the class notes to the Web site for easy reference by the students. To achieve this, the Web site needs to be attractively designed by including different font and text styles for easy identification of book names, chapter names, and topics.  Assume that you are one of the Web site developers and have been assigned to perform the following tasks:   1. Apply bullet list to all the book names. The booknames should be linked to respective pages displaying the Table Of Contents (TOC). 2. Create Web pages where the detailed TOC of each book is displayed. For easy readability, different font and text styles should be applied to the topics and subtopics. 3. Add appropriate indentation or padding to each topics or subtopics. 4. Use different colored texts for easy identification of the different content. For   example, notes can be displayed in blue color, tips can be displayed in green color, and so on. |

4. Creating Tables

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| **Assignment Question** |
| **Max Designers** is an advertising agency offering a number of services such as designing of logos, promotions, and branding. They want to develop their company Web site home page and also want to add all the details about the company with additional graphics, text, animations, and arrange the content in an organized manner.  You are appointed as the team lead of the **Max Designers**. You need to perform the following tasks:   1. Prepare a design template for the new Web site. 2. Create an HTML file using table elements. 3. Create three tables to display the progress in terms of revenues earned over the last five years using the services provided by them such as designing of logos, promotions, and branding over the years with header, footer, and caption elements. 4. Create a page layout using navigation element to display the different samples of logo designs. |

5. HTML Forms

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| **Assignment Question** |
| **Veronica Creators** has their online Music Web site that contains the details of different types of music such as rap, classical, western, and many more. They also want to add a registration form for the customers to do online bookings. Veronica Creators decided to create a registration form with validations.  As the team lead of the Design Team at Veronica Creators, you have to perform the following tasks:   1. Create a registration form to accept the customer details. 2. Create validations for the important fields such as name, phone number, and e-mail address. 3. Create payment details for the user and the discount offered. 4. Create login details such as username, password, and confirm password fields. |

Java Script Assignments

1. Operators and Statements

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| **Assignment Question** |
| **Elexmedia** is a small-scale software company in **California**. The company provides personal loan to their employees. The loan details of employees are currently being maintained in registers. The management team has observed many human errors such as calculation errors and so on. Thus, this manual system of maintaining the register has become unreliable. The management has decided to automate the process of maintaining the loan details by creating a dynamic Web page. This Web page will allow the automatic calculation of the total interest and loan amount payable by the employees.  The management decided to entrust this duty of automating the process to you as you are one of the Web developers hired by the company. The system should incorporate the following functionalities:  Create a Web page that will accept the following details:   1. Employee ID, name, address, designation, loan amount, date of loan taken, interest, and maturity date. 2. Check that the employee’s ID must be of minimum four characters and must include the letter E at the beginning. 3. Calculate and display the loan amount and interest payable based on the designation of the employee. |

2. Loops and Arrays

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| **Assignment Question** |
| **Herald University** is a world renowned university in **Las Vegas**. The university offers different types of courses to their students. The management of the university has noticed that the number of students enrolling for their university is increasing. Also, they are having international students who are enrolling from different parts of the world.  Thus, to simplify this process they plan to create a Web site that will enable their students to enroll online.  Assume that you are one of the developers and have to perform the following tasks:   1. Create a Web page that accepts the student details such as name, address, contact information, qualification, and so on for registration. After a student enters these details and clicks **Submit**, a Web page should appear that confirms with the student that the entered data are valid. 2. Use two-dimensional arrays and loops to display the student’s details on a Web page in a tabular format. |