

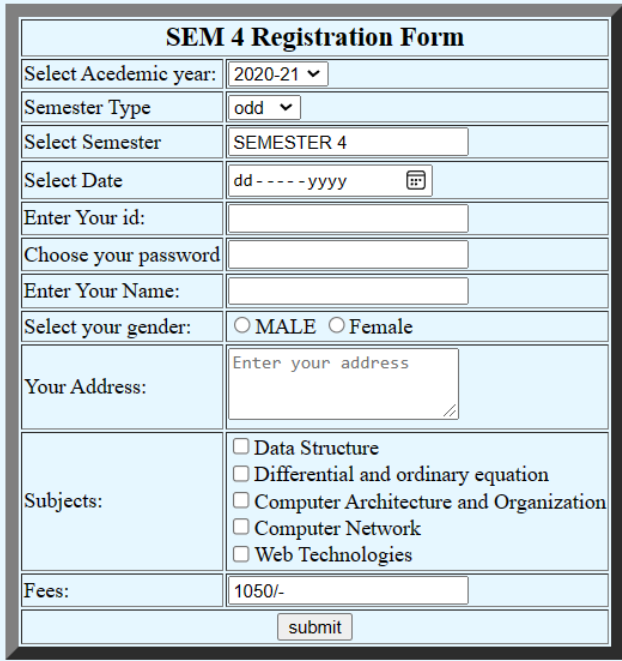
Birla Vishvakarma Mahavidyalaya
(An Autonomous Institution)
Computer Engineering Department
2CP08 Web Technologies
CREDITS = 4 (L=3, T=0, P=2)
Experiment List
AY – 2022-23, LEVEL-2, SEM-4

Week No	Date	Name of the Experiment	Page No	Sign
-		Certificate		
-		-Vision and Mission statement of Department, -Program Educational Objectives (PEOs) and Program Outcomes (POs) of (BE) Computer Engineering Program -Course Outcomes		
1		Develop static web page of Resume using Following HTML tags. - Test <h1> through <h6> tag - Use <hr> and tag for Line break and horizontal rule - Use of <p> tag attribute align="center"... - Use of <ins> and tag - Use of preformatted text by using tags such as <i>, , , <blink>, <sup>, <big>, , <small>, <sub>, <pre> - Usage of quotation, abbreviation and acronym tags - Commenting the code using <!-- Text goes Here --> - Use of tag < body with attributes bgcolor=..., vlink=....., text=.....,alink=....., background=.... Etc - Use of hyperlinks using anchor tag with attribute Target . And also the use of anchor tag as to work as bookmark - Use of tag with attribute src, height, width, alt.... - Usage of ordered and unordered lists using and and also nesting of list with attribute type=.....		
2		Develop static web page of irregular tables using the Following HTML Tags. -Table tag and associated tags: <table>, <td> , <tr>, <th> and attributes such as border, colspan, rowspan, cellpadding, cellspacing, width, height, valign.....etc,		

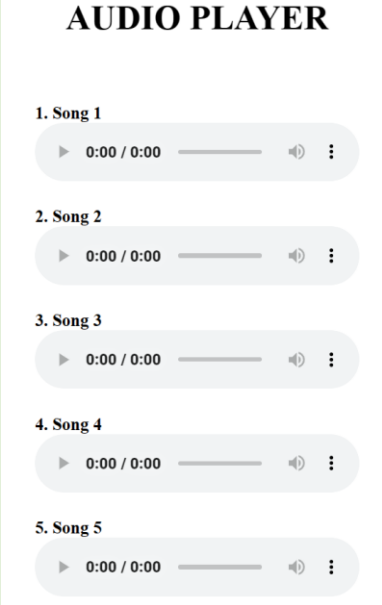
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		<table><tr><td colspan="2" rowspan="2">Today's Opinion Poll Question</td><td colspan="3">Political Party</td></tr><tr><td>Democrat</td><td>Republican</td><td>Independent</td></tr><tr><td rowspan="3">"Do you favor or oppose increasing the minimum wage?"</td><td>Favor</td><td>70%</td><td>35%</td><td>55%</td></tr><tr><td>Oppose</td><td>25%</td><td>60%</td><td>30%</td></tr><tr><td>Unsure</td><td>5%</td><td>5%</td><td>15%</td></tr></table>					Today's Opinion Poll Question		Political Party			Democrat	Republican	Independent	"Do you favor or oppose increasing the minimum wage?"	Favor	70%	35%	55%	Oppose	25%	60%	30%	Unsure	5%	5%	15%
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		<p>Develop static web page of Registration form using Following HTML tags</p> <ul style="list-style-type: none">- Demonstrate how to link a mail message- Use of tag with attributes <color>, <size>, <face> etc- Use of <frame> tag and <noframes> tag- Use of <iframe> tag- HTML forms: <input> tag with attribute type="text", "password", "checkbox", "radio", "file", "submit", "image", "button", "reset", "hidden"- Use of tag <textarea> with attribute rows= ..., cols=....., name=.....- Drop down menu with <select> tag and <option> tag with attributes value=....- Use of tag <fieldset> and <legend>																									

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		<div style="text-align: center;"> Birla Vishwakarma Mahavidyalaya <small>An Autonomous Institute</small> </div> <div style="text-align: center;">  </div>		
3		Develop a static web page of a Music player using the Following HTML 5.0 tags Develop XHTML page using DOCTYPE Declaration and use of all Metatags. <ul style="list-style-type: none"> - Use of Article - Use of aside - Use of footer - Use of header - Use of HTML CANVAS - Use of Media Tags 		

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		<p style="text-align: center;">AUDIO PLAYER</p> 		
4		<p>Cascading Style Sheets (CSS): Create Mypage.html using an external style sheet.</p> <p>Adding CSS: External, Internal and Inline</p> <p>Develop web page contains a table, div, text, menus, pseudo-class selector .style the page using external CSS.</p> <ol style="list-style-type: none"> 1) Compare class and ID selectors in CSS with proper examples. 2) What are the different types of cascading style sheets? Elaborate with an example. 3) Write an external style sheet for the following rules. <ol style="list-style-type: none"> a. To make all the headers with normal fonts and have size 150%. b. To display all the paragraphs in Arial font with bold style. c. To make the background color red. d. Text capitalized and underlined with an indent of 1 cm. e. List of items having marker circle 		

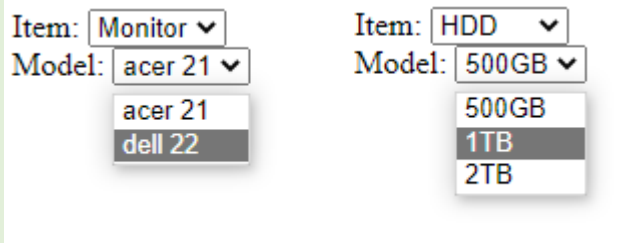
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		<p>f. Each item of the list has a top and right solid border.</p> <p>g. The margin between the two items is 1 cm.</p> <p>4) Use of pseudo-class with the anchor tag. Give a proper example.</p>		
5		<p>Cascading Style Sheets (CSS) @import CSS, Apply style to ordered List, Descendant Selectors, child selectors, first-line, first-letter, :before, :after pseudo element, positioning, BOX Model</p> <p>Exercise:</p> <ol style="list-style-type: none"> Create below Table of Content using style to ordered List, Descendant Selectors, child selectors, :after, :before Title: web Technologies Table of content <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>Chapter 1. html</p> <p>Chapter 2. css</p> <p> 2.1 introduction</p> <p> 2.2 adding style sheet</p> <p> 2.2.1 external</p> <p> 2.2.1.1 external style sheets are useful</p> <p> 2.3 browser incompatibility</p> <p>Chapter 3. xml</p> </div> <ol style="list-style-type: none"> Create three divisions' header, left side menu and main content. Apply style to each division using styles. Use positioning attribute for each division, i.e. static, relative, fixed, absolute, and sticky. And also use Z-index for overlapping division. Develop BOX model using CSS Content, Padding, Border and Margin for your Project definition. Use of CSS3 and Bootstrap framework. 		
6		<p>JavaScript: use of document.writeln(), comments, variables, local vs Global, type of operators, arithmetic, assignment, relational, logical & Bitwise Operators, Control structures, conditional statements, array, user define function, object, use if For/in .</p> <p>Exercise:</p> <ol style="list-style-type: none"> Write a JavaScript program to use following Operators. 		

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		<p>2 + 3;=5 number "hello" + " bvm";=hello bvm string 2 + "MB";=2MB string 3 - 2;=1 number 3 - "MB";=NaN number not a number 3 * 2;=6 number 5 \ 2;=2.5 number 2 \ 0;=Infinity number 5 % 2;=1 number 2 % 0;=NaN number x = 1;=1 number x ++;=2 number y=++x; y=3 x=3 number y=x++; y=3 x=4 number x = 5;=5 number x --;=4 number y=--x; y=3 x=3 number y=x--; y=3 x=2 number</p> <p>2) Write a JavaScript program to use bitwise Operators. 3) Write a JavaScript program to display first N Fibonacci number. 4) Write JavaScript to find all the prime numbers between user-given ranges. 5) Write JavaScript to use array methods e.g. reverse, concat, sort, join. 6) Write a JavaScript program to sort (ascending, descending) the array of N elements.</p>		
7		<p>JavaScript:2 (Events and HTML Document Object Model)</p> <p>1) Write a JavaScript to create a button. On click on the button a new window should open up. 2) Write a JavaScript to get details of location object. 3) Write a JavaScript to get details of navigator object. 4) Write a JavaScript to retrieve browser name, according to browser name open specific version of index page. i.e. chrome_version.html, edge_version.html.</p>		

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		<p>5) Write a JavaScript to get details of History object.</p> <p>6) Write a JavaScript to Work with change event that occurs when a different item in the selection list is selected. Use innerHTML.</p>  <p>7) Write a JavaScript to retrieve mouse location and display Unicode character and its key code enter from keyboard using event object.</p> <p>8) Write a JavaScript to validate registryourself.html page. ⇒ Give alert message if data is blank. ⇒ Validate Email, name, password, mobile filed.</p>		
8		<p>XML: Write a XML file and display the content using XSL. Use of XPATH, XSL (XML Stylesheet language). Validate XML file using DTD Validate XML file using XS(XML Schema). Consider the following XML document fragment. The root element is "Employee_Info" As the content for "Employee_Info," "Employee" occurs 0 or more times As contents of "Employee," "Name," "Department," "Telephone," and "Email" elements occur once in respective order "Name," "Department," "Telephone," and "Email" contents are text strings "Employee" has an attribute called "Employee_Number" "Employee_Number" content must be int type</p> <ol style="list-style-type: none"> 1. Write an xml (EMP.XML) File for above description. 2. Write a document type definition (EMP.DTD) file to validate above XML file. 3. Write an xml schema EMP.xsd file to validate above XML file. 		

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		4. Write an xml style sheet file (EMP.xsl) file to print above XML data in table format.		
9		PHP-1 Introduction and basic syntax Echo, Data Types, Decision and looping with examples, PHP and HTML, Arrays		
10		PHP-2 Advance Features Functions, Browser control and detection, string, Form processing, Files, Cookies and Sessions, Object Oriented Programming with PHP.		
11		PHP-3 Connection to Database server, creating database, selecting a database, listing database, listing table names, creating a table		
12		Angular JS Load framework, install required software		
13		Angular JS Application		
14		PHP-4 Create a project using above all concepts by your choice which should have minimum below functionality 1) Login Page with validation in database for authenticity 2) Form Validation using JavaScript 3) Entire site should be styled using CSS 4) Maintaining Session or Cookies 5) Database Connectivity 6) Add / delete / update/ search as applicable 7) File/ Image Upload		
15		Project Presentation		