

<b>Lab</b>	<b>Practical</b>
LAB-1	<ol style="list-style-type: none"> <li>1. WAP to display the use of list, audio and video tag. (A)</li> <li>2. WAP to show internal, external and inline style. (A)</li> <li>3. Create your personal portfolio webpage using HTML and CSS. (B)</li> </ol>
LAB-2	<ol style="list-style-type: none"> <li>4. WAP to create webpage of employee registration form. (A)</li> <li>5. Create a page using div tag and CSS properties and also apply Media Queries on it to make it responsive. (B)</li> </ol>
LAB-3	<ol style="list-style-type: none"> <li>6. Write HTML, CSS3 code for following animation effects. (A)             <ol style="list-style-type: none"> <li>1. Changing background colour of div from red to yellow.</li> <li>2. Moving div from Left to right, right to bottom, bottom to left and left to top.</li> <li>3. Put delay of 2s in animation.</li> <li>4. Change animation-iteration count property of program 2 to run infinite times</li> <li>5. Change animation direction property to run it in reverse order.</li> <li>6. Change value of animation-timing-function property to change the speed of animation.</li> </ol> </li> </ol>
LAB-4	<ol style="list-style-type: none"> <li>7. Write HTML, Bootstrap code for following effects: (A)             <ol style="list-style-type: none"> <li>1. Use Bootstrap typography as per below image</li> <li>2. Use Bootstrap typography to make text look like below image</li> <li>3. Use Bootstrap typography to put abbreviation in paragraph.</li> <li>4. Use Bootstrap typography to align text (left, centre, right)</li> <li>5. Create Unstyled list using Bootstrap typography.</li> <li>6. Use Bootstrap to display responsive image in webpage. Also use alignment to align it in left, center and right side of webpage.</li> <li>7. Use Bootstrap to create thumbnail of image.</li> </ol> </li> </ol>
LAB-5	<ol style="list-style-type: none"> <li>8. Create Static website of 4-5 pages using HTML, CSS and Bootstrap. (A)</li> </ol>
LAB-6	<ol style="list-style-type: none"> <li>9. WAP to demonstrate internal javascript. (A)</li> <li>10. WAP to demonstrate external javascript. (A)</li> <li>11. WAP to concat two or more strings. (A)</li> <li>12. WAP to demonstrate the use of various inbuilt string functions like charAt(), charCodeAt(), startsWith(), endsWith(), includes(), indexOf(), lastIndexOf(), match(), repeat(), replace("", ""), search(), split(), substr(start, length), substring(start, end), toString(), trim(). (A)</li> <li>13. WAP to explore more inbuilt string functions like slice(), toLowerCase(), toUpperCase(), valueOf(), fromCharCode(). (A)</li> </ol>

LAB-7	14. WAP to demonstrate number handling functions of javascript. (A) 15. WAP to demonstrate the use of arithmetic operators using if condition. (A) 16. WAP to create calculator using switch case. (A) 17. WAP to display result of a student whether he/she pass or fail the exam. (Criteria is >39 marks is all 5 subjects.) Also display the grade of the student. (Criteria >90 then grade 'A', >80 then 'B', >70 then 'C', >60 then 'D', >40 then 'E', <40 then 'F').(B) 18. WAP to swap values of 2 variables without using 3 <sup>rd</sup> variable. (B)																														
LAB-8	19. WAP to find the factorial of given number. (A) 20. WAP to print the Fibonacci series of a number. (A) 21. WAP to check whether the given no. is prime or not. (B) 22. WAP to check whether the given number is palindrome or not. (C) 23. WAP to print prime numbers between the two given numbers. (C)																														
LAB-9	24. WAP to print sum of first 'n' Natural number (sum = 1 + 2 + 3+ ... +n). (A) 25. WAP to check whether the given number is Armstrong or not. (B) 26. WAP to print the factors of given number. (B) 27. WAP to print the GCD of two numbers. (C) 28. WAP to print LCM of two numbers. (C)																														
LAB-10	29. Create following pattern using loop. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">*</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1 1 2 1 1 2 3 2 1 1 2 3 4 3 2 1 1 2 3 2 1</td> <td style="text-align: center;">5 5 4 5 5 4 3 4 5 5 4 3 2 3 4 5 5 4 3 4 5</td> </tr> <tr> <td style="text-align: center;">**</td> <td style="text-align: center;">2 3</td> <td style="text-align: center;">21</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">***</td> <td style="text-align: center;">4 5 6</td> <td style="text-align: center;">321</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">**</td> <td style="text-align: center;">7 8 9 10</td> <td style="text-align: center;">4321</td> <td style="text-align: center;">1 2 1</td> <td style="text-align: center;">5 4 5</td> </tr> <tr> <td style="text-align: center;">*</td> <td style="text-align: center;">11 12 13 14 15</td> <td style="text-align: center;">54321</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">(A)</td> <td style="text-align: center;">(B)</td> <td style="text-align: center;">(B)</td> <td style="text-align: center;">(C)</td> <td style="text-align: center;">(C)</td> </tr> </table>	*	1	1	1 1 2 1 1 2 3 2 1 1 2 3 4 3 2 1 1 2 3 2 1	5 5 4 5 5 4 3 4 5 5 4 3 2 3 4 5 5 4 3 4 5	**	2 3	21			***	4 5 6	321			**	7 8 9 10	4321	1 2 1	5 4 5	*	11 12 13 14 15	54321	1	5	(A)	(B)	(B)	(C)	(C)
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(A)	(B)	(B)	(C)	(C)																											
LAB-11	30. WAP to demonstrate the use of UDF in JavaScript. (A) 31. WAP to demonstrate all 3 types of Pop-up boxes. (A) 32. WAP to implement basic validations. (B)																														
LAB-12	33. WAP to implement data format validations. (A) 34. WAP to prepare student registration form and validate it using JavaScript (Name, email, contact). (B) 35. WAP using HTML, CSS, JavaScript to design simple calculator with GUI. (C)																														
LAB-13	36. WAP to prepare employee form to validate it using JavaScript (Email, contact, gender, city, usermae, pwd, confirm password. (A) 37. WAP using HTML, CSS, JavaScript to design advance calculator with GUI. (B)																														

LAB-14	38. WAP to create a static array of numbers and print the values using loop. (A) 39. WAP to create a static array of courses and print the values using forEach function. (A) 40. WAP to merge 3 static arrays using concat method. (A) 41. WAP to pass array and a search value to function search and function will return the index position. (B)
LAB-15	42. WAP to create an array of countries read values of an array from user and print it. (A) 43. WAP to read a numeric array from user and find maximum and minimum number from it. (A) 44. WAP to demonstrate use of various inbuilt function on an array like push, pop and sort method for sorting string and numbers. (B) 45. WAP to demonstrate use of various inbuilt function on an array like shift, unshift splice, slice, reverse. (B) 46. WAP to read an array from user and sort them in ascending order (without using inbuilt function). (C)
LAB-16	47. WAP to demonstrate all the methods (get) of date object. (A) 48. WAP to demonstrate all the methods (set) of date object. (A) 49. WAP to demonstrate various methods of math object. (A) 50. WAP to demonstrate the use of user defined object. (B)
LAB-17	51. WAP to demonstrate the use of getElementById() method. (A) 52. WAP to demonstrate the use of getElementsByName() method. (A) 53. WAP to demonstrate the use of getElementsByTagName() method. (A) 54. WAP to show how to use DHTML. (A). 55. WAP to print current date and time on click of “Date and Time” button. (A)
LAB-18	56. WAP to change background color on click of button. (A) 57. WAP for following effect: If the mouse is over heading, change font color to “red” and if the mouse goes out of the heading change it to “black”. (A) 58. WAP to recognize which mouse event is fired. (B) 59. WAP to design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday. (C)
LAB-19	60. WAP to greet a user as per the current time. E.g. if anyone opens page at 08:00 am it should greet GOOD Morning. (A) 61. WAP to recognize which keyboard event is fired. (B) 62. WAP to demonstrate change in properties of HTML element using JavaScript. (C) 63. WAP to take a character from the user and you have to display whether the key pressed is number, alphabet or a symbol. (C)
LAB-20	64. WAP to demonstrate the concept of class in javascript. (A) 65. Demonstrate the difference between let and var. (A) 66. WAP to demonstrate the use of const keyword. (A) 67. WAP to demonstrate callbacks in javascript. (B)

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LAB-21	68. WAP to demonstrate the concept of Arrow functions. (A) 69. WAP to demonstrate Arrow functions when we have only one argument. (A) 70. WAP to demonstrate Arrow functions when we do not have argument. (A) 71. WAP to demonstrate Multiple arrow function. (B)
LAB-22	72. WAP to check whether the given number is prime or not using arrow function. (A) 73. WAP to check whether the given number is palindrome or not using arrow function. (B) 74. WAP to print prime numbers between the two given numbers using arrow function. (C)
LAB-23	75. WAP to demonstrate use of various array methods like <i>join,split</i> . (A) 76. WAP to demonstrate use of various array methods like <i>include,find</i> . (A) 77. WAP to demonstrate <i>every</i> function of ES6. (A) 78. WAP to append object in array using Javascript (B).
LAB-24	79. WAP to demonstrate <i>some</i> function of ES6. (A) 80. WAP to demonstrate <i>filter</i> function of ES6. (A) 81. WAP to demonstrate <i>reduce</i> function of ES6. (A) 82. WAP to perform insert, update and delete operation on a static array using Javascript. (B)
LAB-25	83. WAP to demonstrate <i>map</i> function of ES6. (A) 84. WAP to create a numerical array containing number elements. You have to return a number greater than 50 using filter method. (A) 85. WAP to create a new array containing number of elements like color name in small letter (e.g. ['red', 'green', 'blue']) and convert each array element to Capitalized letter using map method. (B) 86. WAP to perform CRUD operation on a static array using Javascript. (C)
LAB-26	87. WAP to create student name array and print each elements using ES6 <i>foEach</i> method. (A) 88. WAP to create numerical array and remove duplicate elements from the array using <i>reduce</i> method. (B) 89. WAP to demonstrate the use of object destructuring. (A) 90. WAP to demonstrate the use of array destructuring. (A)
LAB-27	91. WAP to demonstrate export module. (A) 92. WAP to demonstrate import module. (A) 93. WAP to demonstrate the spread operator. (B) 94. WAP to combine two array using spread operator.(use numerical array) (C)
LAB-28	95. WAP to demonstrate how to use jQuery in a webpage. (A) 96. WAP to demonstrate selectors of jQuery. (A) 97. WAP to demonstrate custom selectors of jQuery. (A) 98. WAP to demonstrate various event methods in jQuery. (A)

LAB-29	99. WAP to demonstrate Effects in JQuery. 100. WAP to demonstrate chaining. (A) 101. WAP to demonstrate DOM Manipulation in JQuery. (B) 102. WAP to demonstrate Traversing in JQuery. (B) 103. WAP using HTML, CSS, JQuery to design simple calculator with GUI. (C)
LAB-30	104. Apply the concepts of JavaScript and JQuery in a website created in lab number 5. (A) 105. Create e-commerce website using HTML, CSS, JavaScript and JQuery. (B)