

Lab	Type	Practical
I.	HTML	
LAB-1	A B C	<b>Demonstrate following HTML tags.</b> <ol style="list-style-type: none"> <li>1. Html, Body, Head, Title, Br, Hr, Header, P, Strong, Small Caption, Doctype.(A)</li> <li>2. Address, B, U, I, Blockquote, Marquee, Link.(B)</li> <li>3. Meta ,Table.(C)</li> </ol>
LAB-2	A B C	<b>Demonstrate html controls given below.</b> <ol style="list-style-type: none"> <li>1. Anchor tag, Image control.(A)</li> <li>2. Iframe tag.(B)</li> <li>3. List controls(C)</li> </ol>

LAB-3

A

Implementation of table tag with rowspan and colspan.

1. Make the table of the following design using HTML.(A)

FullName	Email	Mobile Number	City
Yash Patel	yash_patel@gmail.com	8787989811	Rajkot
Keyur Tanna	keyur1441@rediffmail.com	8874123210	Ahmedabad
Harsh Panchal	harsh_panchal@yahoo.com	9855621232	Surat
Jigar Makadiya	jmakadiya@gmail.com	7874636211	Baroda

B

2. Make the table of the following design using HTML.(B)

Department	1st Year		2nd Year		3rd Year		4th Year	
	First Sem	Second Sem	Third Sem	Fourth Sem	Fifth Sem	Sixth Sem	Seventh Sem	Eighth Sem
Computer Engineering	CPU	WS	COA	OS	DAA	SE	CC	DS
	EG	ECE	DLD	DBMS	CN	WAD	CD	PP
Information Technology	CS	EME	BIS	OOAD	COSAM	SP	ERP	ACN
	Calculus	EEE	BE	SAD	SEMINAR	IS	MC	AI

B

3. Make the table of the following design using HTML.(B)


Batatas	Couves	Alhos	Cebolas
Nabos		Alface	

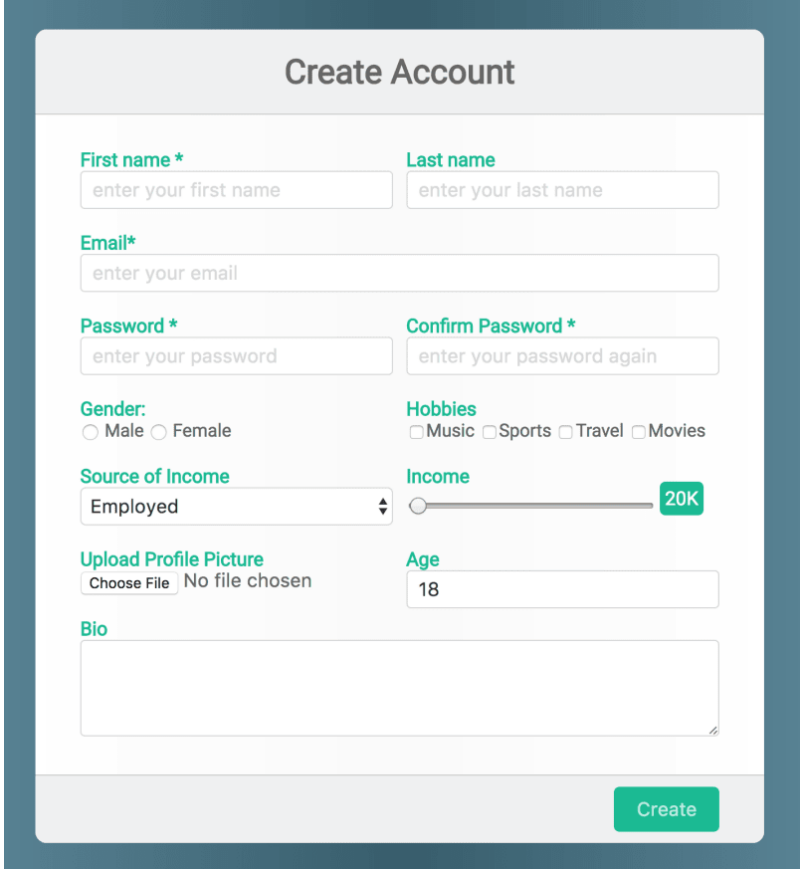
C

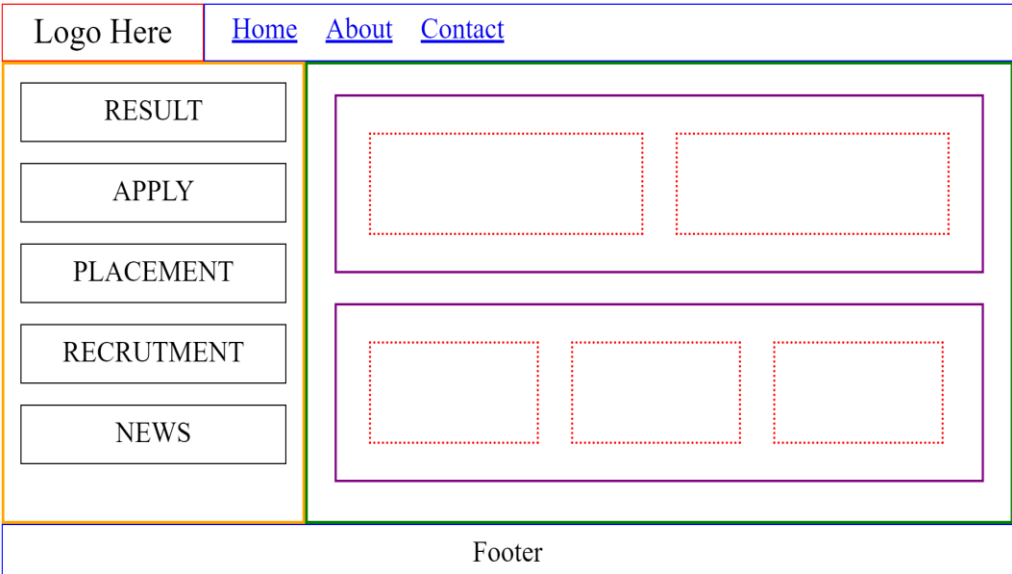
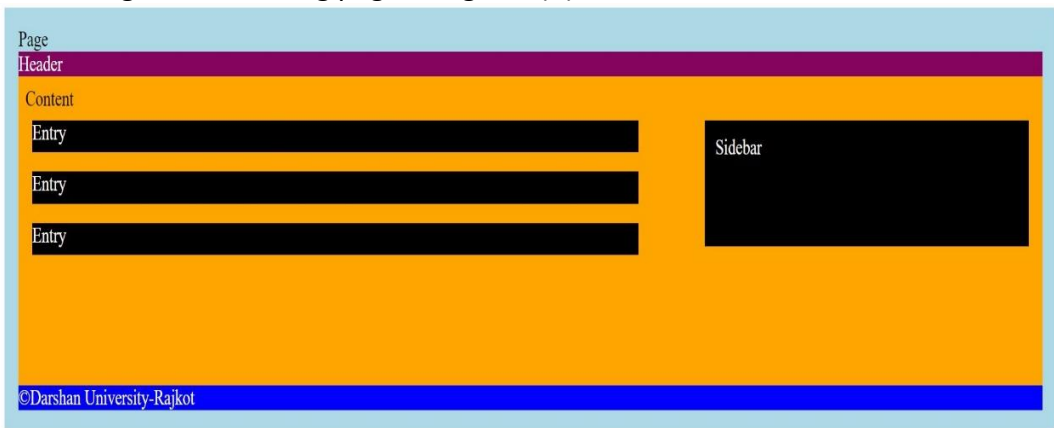
4. Make the table of the following design using HTML.(C)

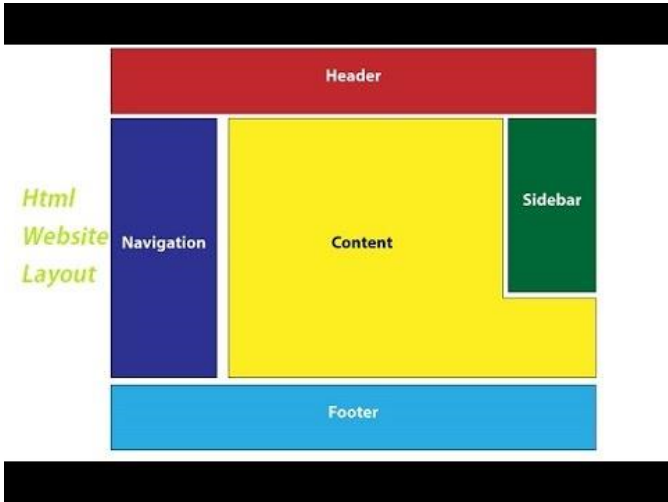
A				D		E	
				F		G	
				H		I	
				J		K	
B				L			
C							
SL	Items	Due Dt	Qty	Rate	Per	Dis%	Amt
AMT IN WORD				E. & O.E			
COMPANY NAME							

LAB-4	A	<p><b>Implement HTML form for the given layouts.</b></p> <p>1. Design Form of Student Registration, COVID-19 vaccine registration and Employee registration with following fields and also use HTML5 validation.(A)</p> <h2 style="text-align: center;">Student Registration</h2> <div> <div>FullName</div> <input type="text"/> </div> <div> <div>Email</div> <input type="text"/> </div> <div> <div>Mobile No</div> <input type="text"/> </div> <div> <div>Address</div> <input type="text"/> </div> <div> <div>Nationality</div> <input type="text"/> </div> <div> <div>Date Of Birth</div> <input type="text" value="dd - mm - yyyy"/> </div> <div> <div>Gender</div> <div> <input type="radio"/> Male           <input type="radio"/> Female         </div> </div> <div> <div>Highest Degree</div> <input type="text" value="Select Degree"/> </div> <div> <div>CPI</div> <input type="text"/> </div> <div> <div>University</div> <input type="text"/> </div> <div> <div>Passing Year</div> <input type="text" value="Select Your Passing Year"/> </div> <div> <input type="button" value="Submit"/> <input type="button" value="cancel"/> </div>
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		2.
	B	<div><h2>COVID-19 Vaccine Registration Form</h2><div><div>First Name</div><input type="text"/></div><div><div>Last Name</div><input type="text"/></div><div><div>Aadhar Number</div><input type="text"/></div><div><div>Vaccine Name</div><div>Please Select Vaccine Name ▼</div></div><div><div>Vaccination Center Name</div><div>Please Select Vaccination Center Name ▼</div></div><div><div>Date of Dose</div><div>dd-mm-yyyy </div></div><div><div>Dose Number</div><input type="text"/></div><div><div>CLICK HERE</div><div>CANCEL</div></div></div>

	C	<p>3.</p> 
II	CSS	

LAB-5	A	<p><b>Apply CSS for the following pages.</b></p> <p>1. Design the following page using CSS.(A)</p> 
	B	<p>2. Design the following page using CSS.(B)</p> 
	C	<p>3. Design the following page using CSS.(C)</p>

		 <p>(Link for the other layout for the practice will be shared)</p>
LAB-6	<p>A</p> <p>B</p> <p>C</p> <p>C</p>	<p><b>Demonstrate CSS3 for the following layouts.</b></p> <ol style="list-style-type: none"> <li>Write HTML, CSS3 code for following animation effects.(A) <ol style="list-style-type: none"> <li>changing background color of div from red to yellow.</li> <li>moving div from Left to right, right to bottom, bottom to left and left to top.</li> <li>put delay of 2s in animation.</li> <li>Change animation-iteration count property of program 2 to run infinite times</li> <li>Change animation direction property to run it in reverse order.</li> <li>Change value of animation-timing-function property to change the speed of animation</li> </ol> </li> <li>Write an HTML snippet with CSS for following effects: (B) <ol style="list-style-type: none"> <li>Link after visited red color before visited orange color</li> <li>Add special style(change color,font size etc) to first line of paragraph</li> <li>Add special style (change color,font size etc) to first letter of paragraph</li> <li>Change background color to yellow when user select particular text</li> <li>Add special style to an element when user mouse over it.</li> </ol> </li> <li>Create custom animation of your choice.(C)</li> <li>Create animation similar to screen saver.(C)</li> </ol>
III	JS	



7	<p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Implement basic programs using JavaScript.</b></p> <ol style="list-style-type: none"> <li>1. WAP in JavaScript to make simple calculator using popup box.(A)</li> <li>2. WAP in JavaScript to check whether the given no. is prime or not.(A)</li> <li>3. WAP in JavaScript to find the factorial of given number.(A)</li> <li>4. WAP in JavaScript to print the Fibonacci series of a number.(B)</li> <li>5. WAP in JavaScript to check whether the given number is palindrome or not.(B)</li> <li>6. WAP in JavaScript to check whether the given number is Armstrong or not.(C)</li> </ol>
8	<p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>C</b></p>	<p><b>Solve the logical programs using JavaScript.</b></p> <ol style="list-style-type: none"> <li>1. WAP in JavaScript to print the factors of given number.(A)</li> <li>2. WAP in JavaScript to prime number between the given range of number. (A)</li> <li>3. WAP to display given patterns using JavaScript. (A)</li> <li>4. WAP in JavaScript to print the GCD of two number. (A)</li> <li>5. Write a JavaScript to take 2-digit number and then separate these 2 digits, then multiply first digit by itself for second digit times. (For example, 23 should be separated as 2 and 3. 2 should multiply with itself 3 times). (B)</li> <li>6. Write an HTML page with JavaScript that takes a number from popup box in the range 0-999 and display it in words. If the number is out of range, it should show “out of range” and if it is not a number ,it should show “not a number” message in the result box. (C)</li> <li>7. Write an HTML file with JavaScript that finds position of first occurrence of vowel “a”, last occurrence of vowel “a” in a given word and returns the string between them. For example, ajanta- then script would return first occurrence of “a”-that is position 1 and last occurrence-6 and string between them is “jant”. (C)</li> </ol>
9	<p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>C</b></p>	<p><b>Explore the JavaScript array.</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate the use of array to find maximum number. (A)</li> <li>2. WAP to read an array from the user and sort them in ascending order. (A)</li> <li>3. WAP to read an array from the user and sort them using bubble sort. (B)</li> <li>4. WAP to read an array form the user and sort them using quick sort. (C)</li> <li>5. Write a JavaScript that uses a loop that searches a word in sentence held in an array, returning the index of the word. (C)</li> </ol>
10	<p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Demonstrate various array methods in JavaScript.</b></p> <ol style="list-style-type: none"> <li>1. WAP to display Faculties stored in array. (A)</li> <li>2. WAP to display students stored in array. (A)</li> <li>3. WAP to display products stored in array. (B)</li> <li>4. Demonstrate different array functions like push, pop, shift, unshift, splice, sort etc.. (C)</li> </ol>

11	<p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Design HTML pages with JavaScript.</b></p> <ol style="list-style-type: none"> <li>1. WAP to create a basic graphical Calculator using HTML and JavaScript.(A)</li> <li>2. WAP to create a static login page using HTML and JavaScript.(A)</li> <li>3. WAP to create a scientific graphical calculator using HTML and JavaScript.(B)</li> <li>4. Write a JavaScript program to validate user data given from the HTML form(C)               <ol style="list-style-type: none"> <li>1) username must be of minimum 8 characters</li> <li>2) password must contain at least 1 digit and 1 special character and should be between 8-12 characters</li> <li>3) password and repeat password must be same</li> <li>4) age must be greater than 18 (calculate from date of birth)</li> <li>5) enrollment must be of 11 digits</li> <li>6) email validation</li> </ol> </li> </ol>
12	<p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Explore event handling using HTML and JavaScript.</b></p> <ol style="list-style-type: none"> <li>1. WAP to change background color on click of button. (A)</li> <li>2. WAP to recognize which mouse event is fired. (A)</li> <li>3. WAP to recognize which keyboard event is fired. (A)</li> <li>4. WAP to recognize which form event is fired. (A)</li> <li>5. WAP to demonstrate change in properties of HTML element using JavaScript. (A)</li> <li>6. WAP to prepare student registration form and validate it using JavaScript. (B)</li> <li>7. WAP to perform CRUD operation on Array using HTML and JavaScript.</li> <li>8. Write a JavaScript that handles following mouse events. Add necessary elements.If the mouse is over the heading should turn yellow and if the mouse goes out of the heading it should turn black. If findtime button is clicked show time and date information. If button named “red” is clicked, background should change to red and If button named “green” is clicked, background should change to green. (B)</li> <li>9. Write a JavaScript that handles following mouse events. Add necessary elements. JavaScript gives the key code for the key pressed. (B)</li> <li>10.If the key pressed is “a,”e,”i,”o,”u”, the script should announce that vowel is pressed.When the key is released background should change to blue. (C)</li> </ol>

13	<p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Apply control statements in JavaScript for the following definitions.</b></p> <ol style="list-style-type: none"> <li>1. WAP to demonstrate callbacks in JavaScript. (A)</li> <li>2. Demonstrate the difference between let and var. (A)</li> <li>3. Demonstrate the default parameter while using a function. (A)</li> <li>4. Demonstrate the spread operator. (A)</li> <li>5. Demonstrate the 'for of' loop. (A)</li> <li>6. Demonstrate the Array and Object Destructuring. (A)</li> <li>7. Demonstrate the Arrow functions. (A)</li> <li>8. Demonstrate how to create a class in Java Script. (A)</li> <li>9. Create a Snake game using Java script. (B)</li> <li>10. Write JavaScript that handles following mouse event. (B) <ul style="list-style-type: none"> <li>• If mouse left button pressed on browser, it displayed message "Left Clicked".</li> <li>• If mouse right button pressed on browser, it displayed message "Right Clicked".</li> </ul> </li> <li>11. Write a JavaScript having a list of checkbox and by clicking on checkbox, it should show list of selected value in comma separated format. (e.g. list of roll number as checkbox value, and display selected roll number in comma separated format) (C)</li> </ol>
14	<p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Demonstrate JQuery for the definitions given below.</b></p> <ol style="list-style-type: none"> <li>1. Using jQuery, write a script that listens for a click event on the button. (A)</li> <li>2. When the button is clicked, change the text of the paragraph to "Button clicked!". (A)</li> <li>3. Write a jQuery script that adds a click event handler to each list item. (B)</li> <li>4. When a list item is clicked, change its background color to yellow and slide it up, then fade it out. (B)</li> <li>5. Define a jQuery plugin called "wordCount" that counts the number of words in a textarea element. (C)</li> </ol>
15	<p><b>A</b></p> <p><b>A</b></p> <p><b>B</b></p> <p><b>B</b></p> <p><b>C</b></p>	<p><b>Use JQuery and HTML to make web pages interactive.</b></p> <ol style="list-style-type: none"> <li>1. Write a jQuery script that animates the button to move 200 pixels to the right when clicked. (A)</li> <li>2. Create an HTML file with a button element and an empty paragraph element. Use jQuery to write a script that listens for a click event on the button. (A)</li> <li>3. Write jQuery code to toggle the visibility of the additional content when an item is clicked, providing an accordion effect. (B)</li> <li>4. Write jQuery code to animate the movement of images when the user clicks navigation buttons (e.g., previous and next) or automatically scrolls. (B)</li> <li>5. Write jQuery code to validate the form on each input field upon submission, providing feedback to the user for invalid inputs (e.g., displaying error messages). (C)</li> </ol>
III	<b>Bootstrap</b>	

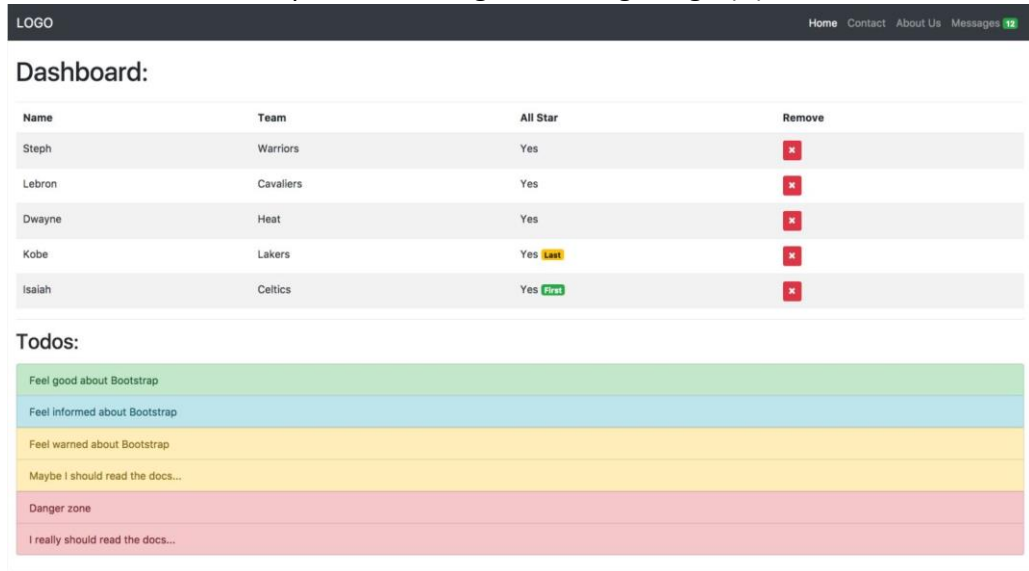
LAB-16	A	<p><b>Write HTML, and Bootstrap code for the following definitions.</b></p> <p>1. Write HTML, Bootstrap code for following effects.(A)</p> <p><b>Darshan University-Rajkot</b></p> <p>Rajkot-Morbi Highway, Hadala, Email:info@darshan.ac.in, Phone:0281-2569612</p> <p>Welcome to Darshan University</p> <p><del>Darshan Institute of Engineering and Technology</del></p> <p><del>Darshan Institute of Engineering and Technology</del></p> <p><u>Darshan University-Rajkot</u></p> <p><u>Darshan University-Rajkot</u></p> <p>Darshan University-Rajkot</p> <p><b>Darshan University-Rajkot</b></p> <p><i>Darshan University-Rajkot</i></p> <p>B</p> <p>2. Use Bootstrap typography to put abbreviation in paragraph. (B)</p> <p>3. Use Bootstrap typography to align text (left, center, right). (B)</p> <p>4. Create Unstyled list using Bootstrap typography. (B)</p> <p>5. Use Bootstrap to display responsive image in webpage. Also use alignment to align it in left, center and right side of webpage. (B)</p> <p>6. Use Bootstrap to create thumbnail of image. (B)</p> <p>C</p> <p>7. Design page of your choice which use above concept. (C)</p>
LAB-17	A B C	<p><b>Create a design similar to Practical No-5 using the grid system of bootstrap.</b></p> <p>Layout-1 of practical No.-5.(A)</p> <p>Layout-2 of practical No.-5.(B)</p> <p>Layout-3 of practical No.-5.(C)</p>

LAB-  
18

A

**Write HTML, and Bootstrap code for the following images.**

1. Write HTML, Bootstrap code to design following image.(A)



LOGO Home Contact About Us Messages 12

**Dashboard:**

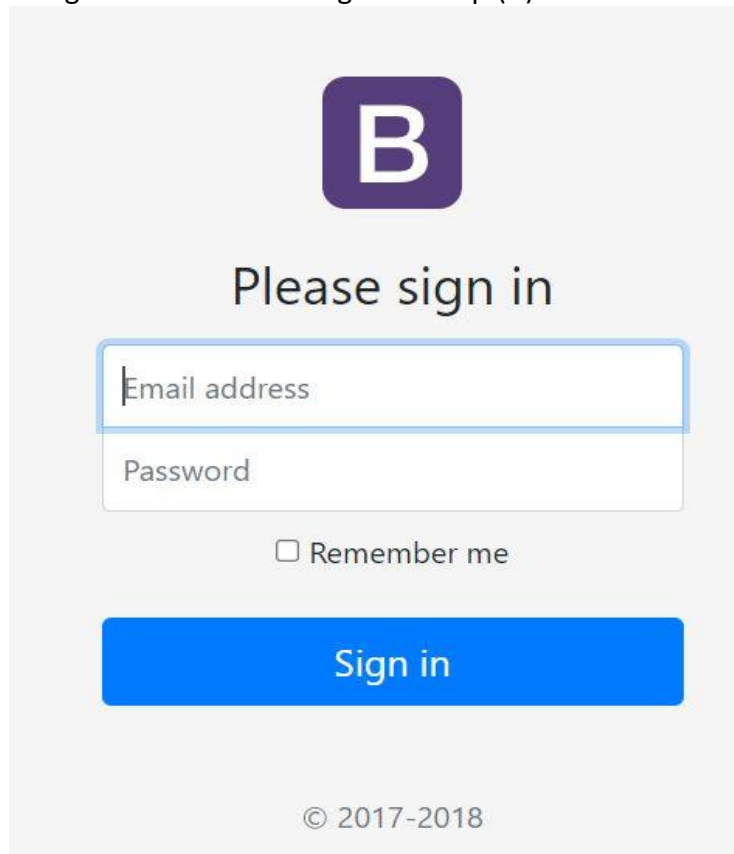
Name	Team	All Star	Remove
Steph	Warriors	Yes	<input type="checkbox"/>
Lebron	Cavalliers	Yes	<input type="checkbox"/>
Dwayne	Heat	Yes	<input type="checkbox"/>
Kobe	Lakers	Yes <span>Last</span>	<input type="checkbox"/>
Isaiah	Celtics	Yes <span>First</span>	<input type="checkbox"/>

**Todos:**

- Feel good about Bootstrap
- Feel informed about Bootstrap
- Feel warned about Bootstrap
- Maybe I should read the docs...
- Danger zone
- I really should read the docs...

B

2. Design SIGN-IN form using Bootstrap.(A)



**B**

Please sign in

Email address

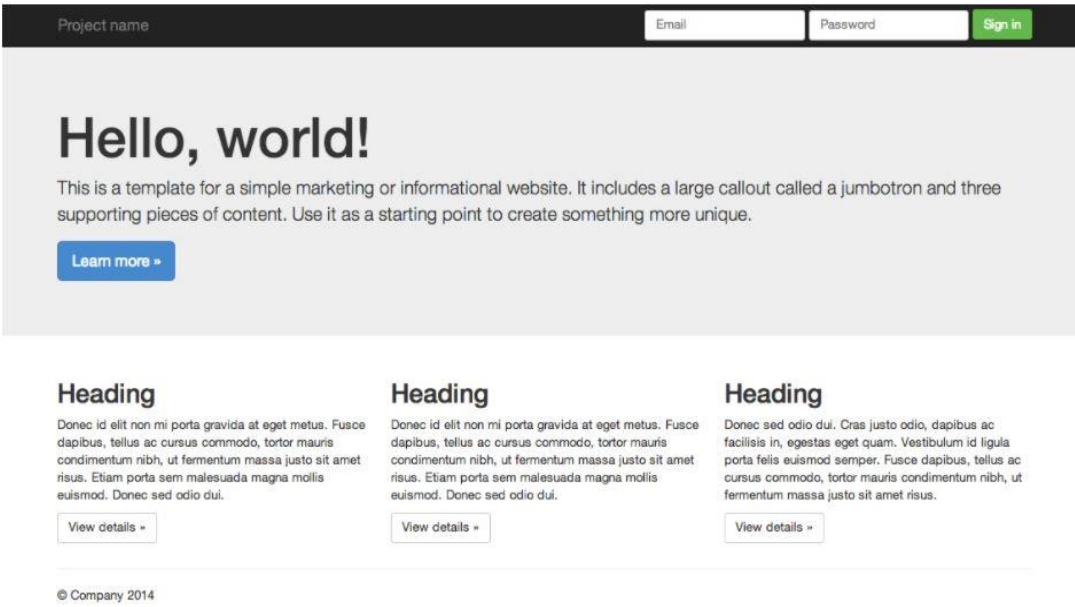
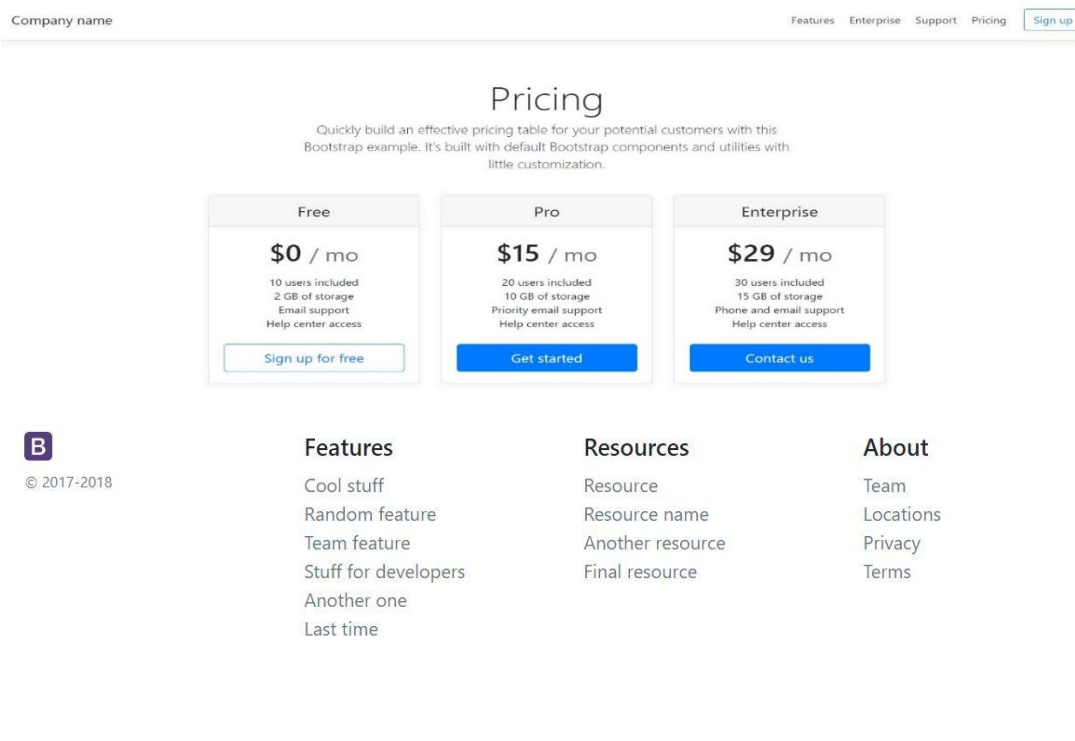
Password

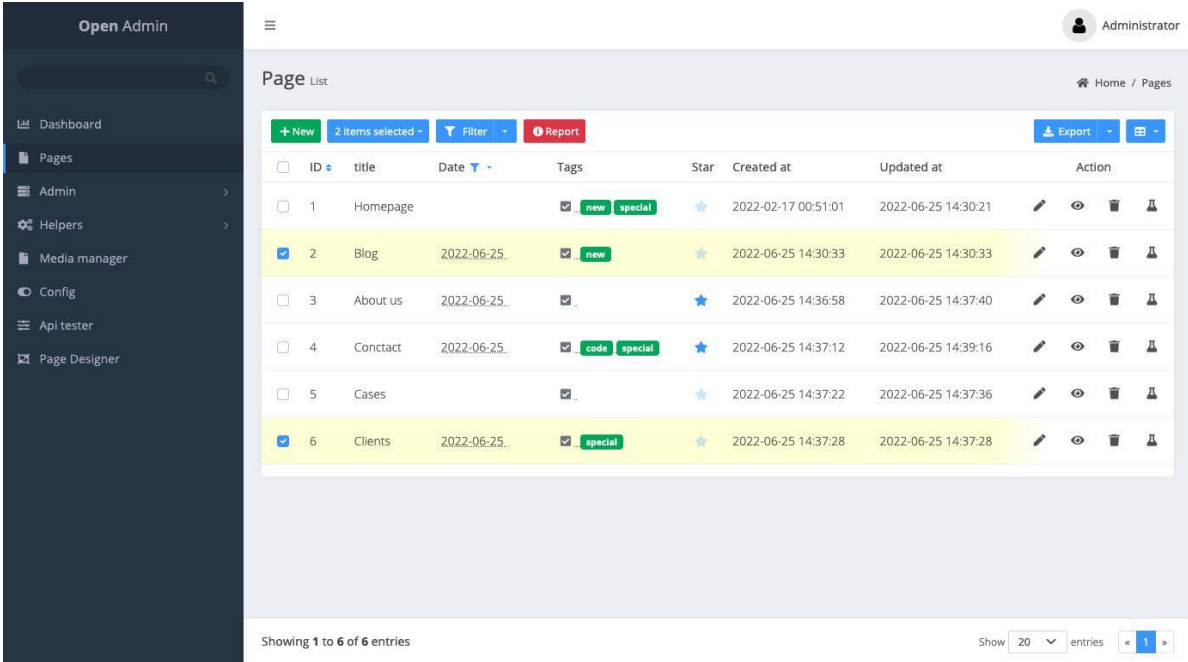
☐ Remember me

Sign in

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	C	3. Redesign forms created in Practical No-4 using Bootstrap.(C)
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LAB-19	A	<p><b>Write HTML, CSS, and Bootstrap code to design the following layouts.</b></p> <p>1. Write HTML, Bootstrap code to design following image. (A)</p> 
	B	<p>2. Write HTML, Bootstrap code to design following image. (B)</p> 
	C	<p>3. Write HTML, Bootstrap code to design following image.(C)</p>

		
LAB-20	A B C	<p><b>Create web pages of given designs using the grid system of Bootstrap.</b> (Link: <a href="#">CSS Layouts for practice - Google Drive</a>)</p> <p>Layout-1(A) Layout-2(B) Layout-3(C)</p>
LAB-21	A B C	<p><b>Apply CSS and Bootstrap to implement the following layouts.</b> (Link: <a href="#">CSS Layouts for practice - Google Drive</a>)</p> <p>Layout-4(A) Layout-5(B) Layout-6(C)</p>
LAB-22	A B C	<p><b>Explore CSS, Bootstrap, and JQuery using the following layouts.</b> (Link: <a href="#">CSS Layouts for practice - Google Drive</a>)</p> <p>Layout-7(A) Layout-8(B) Layout-9(C)</p>



LAB- 23, 24, 25, 26		<b>Mini Project with Java Script</b>
	A	Design all web pages using HTML, CSS, CSS3, and Bootstrap. (A)
	B	Apply Javascript to make some pages interactive. (B)
	C	Add validation to all forms used in your project and handle the events. (C)