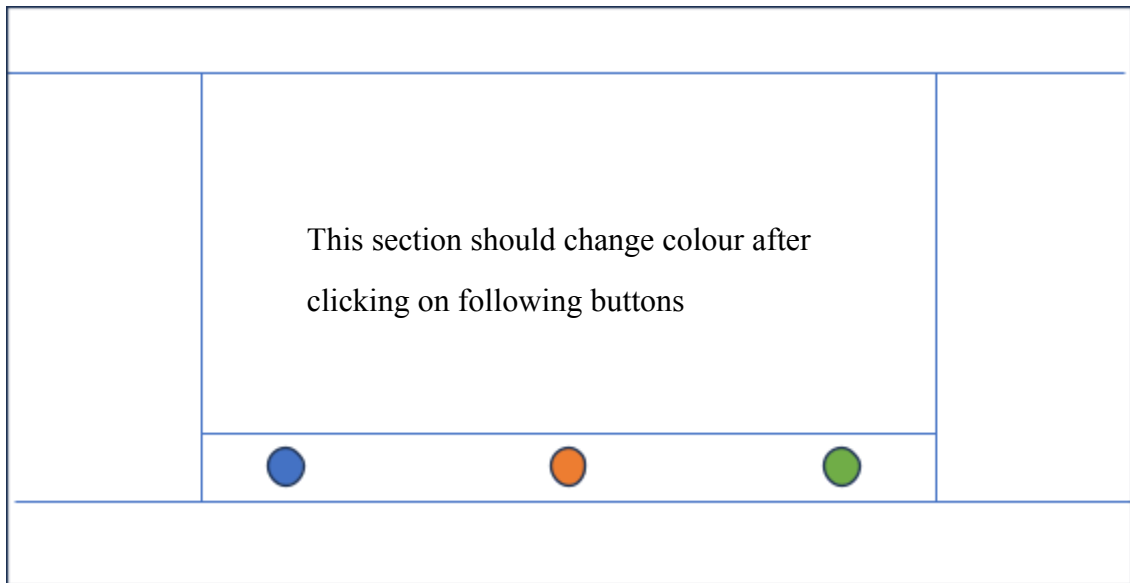


1. Design following responsive layout using html.

Use <header>, <footer>, <div> and appropriate tags



2. Design and develop a chessboard. The board should have alternating colours and an four by four or eight-by-eight grid. Use <header>, <footer>, <body>, <div>, <table> and other tags. Chessboard must be responsive in nature.

3. Create web page for calculator using HTML, JavaScript and CSS. It should have basic functions like +, -, *, / and %. Use appropriate tags like <table>, <div>, <header>, <section>, <footer>

4. Demonstrate jQuery for coping contents from one list control to another list. Also demonstrate how to create new element in HTML page using jQuery.

5. Design and develop a website to demonstrate (a) searching and sorting array for integer elements using JavaScript (b) array for named entities using JavaScript. You can make the use of bootstrap as well as jQuery.

6. Design and develop Spring boot application where employee records could be added or employee list could be listed as JSON format. Use postman as a client.

7. Design Digital clock using JavaScript, CSS and JQuery.

1. Design a basic semantic HTML5 structure for a VIT Clubs website without using CSS.
0. Create an HTML-only webpage displaying department-wise student clubs at VIT.
0. Develop an HTML webpage for VIT clubs using forms, images, and navigation links.
0. Design an HTML-based event schedule page for VIT clubs using tables.
0. Create a webpage layout for club information using CSS box model properties.
0. Design a simple multi-section layout for clubs using CSS Flexbox or Grid.
0. Apply CSS selectors to style different clubs differently on the same webpage.
0. Implement a simple theme change feature using CSS variables.
0. Develop a client-side form with basic validation using JavaScript.
0. Create a simple login page using JavaScript and store credentials on the client side.
0. Add a background video to the clubs website and control it using JavaScript.
0. Store and display club details dynamically using JavaScript and JSON.
0. Use JavaScript objects or classes to represent club information.
0. Separate data and display logic using basic JavaScript functions.
0. Design an interactive page to update club committee details using JavaScript.
0. Display club success stories dynamically using JavaScript.
0. Use jQuery to show, hide, or animate club information.

1. Validate club registration forms using jQuery.

2. Design and develop a responsive Student Management Web Application using HTML, CSS, JavaScript, and jQuery that allows users to enter, display, validate, and manage student records dynamically on a web page.
3. Develop a web application to add, edit, delete, and display employee details such as employee ID, name, department, and salary. Use HTML forms, CSS styling, JavaScript for validation and salary calculation, and jQuery for dynamic table updates.
4. Create a responsive to-do list application that allows users to add, mark, edit, and remove tasks. Use CSS for visual feedback, JavaScript for logic handling, and jQuery for real-time DOM manipulation and effects.
5. Design a shopping cart interface where users can add products, update quantities, and remove items. Use HTML to display products, CSS for layout, JavaScript for price calculation, and jQuery to update the cart dynamically without reloading the page.
6. Develop an event registration web page where users can register for events by entering personal details. Use JavaScript to validate inputs, CSS to style the form, and jQuery to display confirmation messages and dynamically list registered participants.
7. Design a feedback form that collects user ratings and comments. Use HTML and CSS for layout, JavaScript for validation, and jQuery to dynamically display submitted feedback without refreshing the page.
8. Create a weather dashboard that displays temperature and weather conditions for a selected city. Use JavaScript to process data, CSS for layout, and jQuery to update the UI dynamically based on user input.
9. Create an interactive image gallery that allows users to filter images by category. Use CSS for transitions, JavaScript for logic, and jQuery to dynamically show/hide images with animation effects.
10. Create a login page with username and password fields. Use CSS for styling, JavaScript to validate empty inputs, and jQuery to display success or error messages dynamically without reloading the page.
11. Design a simple calculator that performs addition, subtraction, multiplication, and division. Use HTML buttons and input fields, CSS for layout, JavaScript for calculations, and jQuery to handle button click events and display results.
12. Create a web page with a button to show or hide a paragraph of text. Use CSS for styling, JavaScript for logic, and jQuery to implement show/hide effects with animation.
13. Create a web page with buttons to change the background color of the page. Use CSS for default styling, JavaScript for logic, and jQuery to handle button click events.
14. Design a text area that displays the number of characters typed by the user in real time. Use JavaScript for counting logic, CSS for styling, and jQuery to update the count dynamically.
15. Create a basic image slider with Next and Previous buttons. Use CSS for layout, JavaScript for image switching logic, and jQuery to animate image transitions.
16. Design a page with a dropdown list of options. When an option is selected, display a related message on the page. Use HTML for structure, CSS for styling, JavaScript for logic, and jQuery for dynamic updates.

17. Create a password input field that displays the strength (weak, medium, strong) based on user input. Use JavaScript for validation logic, CSS for visual indicators, and jQuery to update the strength message dynamically.
18. Design a form with multiple input fields and a reset button. Use CSS for layout, JavaScript for validation, and jQuery to clear form fields dynamically.
19. Create a button to toggle between light and dark mode themes. Use CSS for theme design, JavaScript for logic, and jQuery to apply theme changes dynamically.
20. **Student Login & Profile Page**

Design a single-page web application that:

- Creates a login form with **username, password, remember me checkbox**
 - Validates password length (minimum 8 characters) using **JavaScript**
 - Displays user profile details after successful login
 - Changes form background color using **inline CSS**
 - Using **jQuery**, display a welcome message before the form and a logout message after the submit button
-

38. Scientific Calculator Web App (JavaScript)

Design a calculator using **HTML, CSS, and JavaScript** that performs:

- Square
 - Square root
 - Modulus
 - Power function
- Using **jQuery**:
- Change page background color on button click
 - Show an alert displaying the selected operation
 - Apply a border and shadow effect to the calculator container
-

39. Calculator Using jQuery Events

Create a calculator application using **jQuery only** to perform:

- Addition
 - Subtraction
 - Multiplication
 - Division
- Using **JavaScript**:
- Validate that input fields are not empty

- Display error messages in red
 - Change background color using **CSS class switching**
-

40. College Lecture Schedule Table

Create a webpage displaying a **college lecture schedule** using an HTML table:

- Use **rowspan and colspan** for labs and breaks
 - Apply border, padding, and alignment using **CSS**
 - Using **JavaScript**, highlight a cell on mouse hover
 - Using **jQuery**, apply slideUp and slideDown effects on the table
-

41. Multimedia Learning Page

Create a webpage titled “**E-Learning Multimedia Page**” that includes:

- One **audio lecture**
 - One **video tutorial**
 - Headings, paragraphs, and two buttons
Use:
 - **Internal CSS** for layout
 - **JavaScript** to change font size dynamically
 - **jQuery** to align headings and change color on button click
-

42. Programming Skills List Page

Design an HTML page showing:

- An **ordered list** of 5 engineering subjects
 - Each subject contains a **nested unordered list** of tools/software
Use:
 - **Internal CSS** to style color, font, and spacing
 - Create a string object using new String() and demonstrate:
 - charAt()
 - toUpperCase()
 - substring()
 - Using **jQuery**, toggle visibility of a paragraph with a button
-

43. Personal Information Webpage

Create a webpage that displays:

- Name
 - Roll Number
 - Department
 - Institute Name
- Apply CSS using:
- Inline CSS for name color
 - Internal CSS for font and alignment
 - External CSS for background
- Using **jQuery**, hide all <p> elements on button click
-

44. Student Records Using JavaScript Array

Create a JavaScript program that:

- Stores student marks in an array
 - Applies any three array methods:
 - sort()
 - push()
 - pop()
- Display results on the webpage
Using **jQuery**, hide all <h3> elements when a button is clicked
-

45. Registration Form With Advanced Validation

Design a registration form with:

- Name, Email, Mobile, Gender, DOB, Course Selection
- Use **JavaScript** to:
- Validate email format
 - Validate mobile number length
- Use **jQuery** to:
- Show success message using fadeIn()
 - Reset form using button click
-

46. Interactive Web Page Using Events

Create a webpage that:

- Displays text, image, and buttons
- Use:

- **JavaScript** for mouseover and mouseout effects

47. **jQuery** for hide(), show(), fadeToggle()

Apply CSS dynamically to change color, border, and background

48. Design and develop a Student Registration Web page using HTML, CSS, JavaScript, and jQuery. The page should allow a student to enter personal and academic details and submit the form after proper validation.

The web page must include:

- A registration form with fields such as Name, Email ID, Mobile Number, Gender, Course, Password, Confirm Password, and Submit button.

The following functionalities must be implemented:

- All fields must be mandatory.
- Name should contain only alphabets.
- Mobile number should contain exactly 10 digits.
- Email ID should be in a valid format.
- Password should be a minimum of 6 characters and must include uppercase, lowercase, numeric, and special characters.
- Password and Confirm Password fields must match.
- Appropriate error messages should be displayed for invalid inputs.
- On successful validation, a success message should be displayed without reloading the page.

Use CSS for proper layout, alignment, and styling of the form. Use JavaScript and jQuery for form validation and dynamic behavior.

49. Develop a Responsive Navigation Menu using HTML, CSS, JavaScript, and jQuery. The menu should display dropdown items on hover or click and adapt its layout for different screen sizes.

50. Create a simple personal profile web page using HTML and CSS. Display your name, photo, course details, hobbies, and contact information with basic styling such as colors, fonts, and alignment.

51. Design a simple image gallery using HTML and CSS that displays multiple images in a grid layout.

52. Design a web page that displays multiple quotes using HTML and CSS. Use JavaScript and jQuery to display one quote at a time and allow the user to move to the next or previous quote.

53. Create a web page that displays product names and prices using HTML and CSS. Use JavaScript and jQuery to calculate and display the total cost when products are selected.

54. Design a web page that displays a set of news headlines using HTML and CSS. Use JavaScript and jQuery to display the full news description when a headline is clicked.

55. Design a Personal Portfolio Website using HTML5 semantic structure, CSS3 animations, JavaScript functions.
56. Create a login form with **username and password**. Use JavaScript to validate the login using predefined values and display a success or error message.
57. Develop a JavaScript program that performs **addition, subtraction, multiplication, and division** of two numbers entered by the user.
58. Create a class timetable using HTML5 semantic structure, CSS3 animations.
59. Design an interactive page to update club committee details using JavaScript
60. Create a simple **horizontal navigation bar** using HTML. Use CSS to style the menu with background color and hover e
61. Design a simple image gallery using HTML and CSS that displays multiple images
62. Design single page web application with following functionality
 - a. Create a multi-field registration form with name, email, phone, password, confirm password, DOB, and a custom file upload
 - a. validate phone field with 10 digit as length using javascript.
 - b. Change background color of form using inline css
 - c. Using jQuery add paragraph before and after of the submit button of form
63. Design web page application for calculator and performing following operations using JavaScript
 - Addition
 - Subtraction
 - Multiplication
 - Division

Using jQuery: When the button is clicked, change the background color of the page and Display an alert message and Apply CSS Border to any component of web page

64. Design web page application for calculator and performing following operations using JQUERY
Addition
Subtraction
Multiplication
Division
Using JavaScript check field is not empty and Change the background color using CSS

65. Create a webpage that displays your weekly timetable using an HTML table with merged cells (rowspan, colspan).

Using CSS apply border styling

Using javascript show mouseover effect and Using JQ show fadein and fadeout effect on table

66. Create a webpage that embeds:

An audio file with controls, A video file with controls

Provide a heading titled “Multimedia Demo”.

Also add headings, paragraphs, and a button and Use class and ID selectors to style each item differently using javascript. Use internal CSS and Jquery to style alignment, color of heading.

67. Create an HTML page showing: An ordered list of 5 engineering branches and nested unordered list of 5 programming languages in each

Use internal CSS to style font-size, alignment, color of list elements

Create a string object using new String(). And demonstrate any 3 methods on string object

Create two buttons: Hide and Show. Using jQuery: Hide a paragraph when Hide is clicked, Show it again when Show is clicked

67. Create an HTML webpage that displays your name, branch, and college information.

Apply CSS in the following ways: Use inline CSS to color your name in blue.

Using JavaScript Create an array of student names and apply any 3 methods on it.

Use JQuery to hide all <h2> elements.

68. Design a Student Registration System using HTML5 for structure, CSS3 for styling, JavaScript for validation logic, DOM manipulation and jQuery for dynamic interaction.

69. Develop an Online Feedback System using HTML5 forms, CSS3 animations, JavaScript conditional logic, DOM updates and jQuery event handling.

70. Create a College Club Management Website using HTML5 semantic elements, CSS3 layouts, JavaScript objects, DOM manipulation and jQuery for interactivity.

71. Implement an Employee Management System using HTML5 tables, CSS3 styling, JavaScript OOP concepts, DOM-based CRUD operations and jQuery controls.

72. Build an Online Quiz Application using HTML5 UI components, CSS3 design, JavaScript loops and conditions, DOM manipulation and jQuery effects.

73. Design an Image Gallery using HTML5 images, CSS3 transitions, JavaScript filtering logic, DOM updates and jQuery animations.

74. Create a Shopping Cart Application using HTML5 structure, CSS3 box model, JavaScript arrays and objects, DOM-based price calculation and jQuery interaction.
75. Develop a Login Authentication System using HTML5 forms, CSS3 styling, JavaScript validation and error handling, DOM updates and jQuery events.
76. Design a Weather Information Dashboard using HTML5 sections, CSS3 layouts, JavaScript objects, DOM rendering and jQuery UI interaction.
77. Create an Online Event Registration System using HTML5 forms, CSS3 design, JavaScript validation logic, DOM manipulation and jQuery form handling.
78. Develop a Library Management System using HTML5 tables, CSS3 styling, JavaScript OOP classes, DOM-based record management and jQuery operations.
79. Design a Personal Portfolio Website using HTML5 semantic structure, CSS3 animations, JavaScript functions, DOM interactivity and jQuery effects.
80. Implement an Online Voting System using HTML5 inputs, CSS3 layout, JavaScript conditional logic, DOM-based vote counting and jQuery live updates.
81. Create a Personal Expense Tracker using HTML5 forms, CSS3 tables, JavaScript arrays and math operations, DOM updates and jQuery interaction.
82. Design a To-Do List Application using HTML5 lists, CSS3 transitions, JavaScript functions, DOM add/remove operations and jQuery event handling.
83. Develop an Online Result Processing System using HTML5 tables, CSS3 formatting, JavaScript logic for grade calculation, DOM manipulation and jQuery updates.

84. Design a Chat Interface (Frontend) using HTML5 layout, CSS3 styling, JavaScript string handling, DOM message display and jQuery interactions.

85. Create a Course Enrollment System using HTML5 forms, CSS3 layout, JavaScript object handling, DOM-based selection and jQuery controls.

86. Develop an Online Survey System using HTML5 form elements, CSS3 design, JavaScript loops and conditions, DOM response handling, JSON survey data, and jQuery UI updates.

87. Implement a Smart Form Validation System using HTML5 inputs, CSS3 styling, JavaScript functional and OOP concepts, DOM-based error display and jQuery real-time validation.