Q4.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Fetch Text and HTML</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

// Button to fetch text content of <p> element

$('#fetchText').click(function(){

var paragraphText = $('p').text();

alert('Text Content: ' + paragraphText);

});

// Button to fetch HTML content of <div> element

$('#fetchHtml').click(function(){

var divHtml = $('div').html();

alert('HTML Content: ' + divHtml);

});

});

</script>

</head>

<body>

<p>This is a sample paragraph with some text content.</p>

<div>This is a <strong>sample</strong> div with <em>HTML</em> content.</div>

<button id="fetchText">Fetch Text</button>

<button id="fetchHtml">Fetch HTML</button>

</body>

</html>

Q5.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Manipulate List</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

// Append 'CSS' at the end of the list

$('ul').append('<li>CSS</li>');

// Prepend 'Introduction to Full Stack Development' at the beginning of the list

$('ul').prepend('<li>Introduction to Full Stack Development</li>');

// Insert a paragraph 'Topics updated' immediately after the list

$('ul').after('<p>Topics updated</p>');

// Insert a heading 'List of Topics Covered' immediately before the list

$('ul').before('<h2>List of Topics Covered</h2>');

});

</script>

</head>

<body>

<!-- Unordered list -->

<ul>

<li>Getting Started with Full Stack</li>

<li>HTML</li>

<li>CSS</li>

</ul>

</body>

</html>

Q6.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Class Toggle</title>

<style>

/\* Style for highlight class \*/

.highlight{

background-color:yellow;

}

/\* Style for dim class \*/

.dim{

opacity:0.5;

}

/\* Initial style for the div \*/

#myDiv {

width: 300px;

height: 200px;

border:1px solid black;

text-align: center;

line-height: 200px;

font-size: 20px;

}

/\* Button styles \*/

button {

padding: 10px;

margin: 5px;

font-size: 16px;

}

</style>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

// Apply highlight class

$('#addHighlight').click(function(){

$('#myDiv').removeClass('dim').addClass('highlight'); // Remove 'dim', add 'highlight'

});

// Apply dim class

$('#addDim').click(function(){

$('#myDiv').removeClass('highlight').addClass('dim'); // Remove 'highlight', add 'dim'

});

});

</script>

</head>

<body>

<!-- Buttons to trigger class changes -->

<button id="addHighlight">Add Highlight</button>

<button id="addDim">Add Dim</button>

<!-- The div element that will be styled -->

<div id="myDiv">This is a div!</div>

</body>

</html>

Q7.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Student Data Table</title>

<style>

body {

font-family: Arial, sans-serif;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

th, td {

border: 1px solid #ccc;

padding: 8px;

text-align: center;

}

th {

background-color: #f4f4f4;

}

.controls {

margin-bottom: 10px;

}

</style>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

<h2>Student Data Table</h2>

<div class="controls">

<label for="name">Name: </label>

<input type="text" id="name" placeholder="Enter Name">

<label for="age">Age: </label>

<input type="number" id="age" placeholder="Enter Age">

<label for="grade">Grade: </label>

<input type="text" id="grade" placeholder="Enter Grade">

<button id="addRowBtn">Add Row</button>

<button id="changeColorBtn">Change Color</button>

</div>

<table id="studentTable">

<thead>

<tr>

<th>Name</th>

<th>Age</th>

<th>Grade</th>

</tr>

</thead>

<tbody>

<!-- Rows will be added here dynamically -->

</tbody>

</table>

<script>

$(document).ready(function() {

$('#addRowBtn').click(function() {

const name = $('#name').val();

const age = $('#age').val();

const grade = $('#grade').val();

if (name && age && grade) {

const newRow = `<tr><td>${name}</td><td>${age}</td><td>${grade}</td></tr>`;

$('#studentTable tbody').append(newRow);

// Clear input fields after adding the row

$('#name').val('');

$('#age').val('');

$('#grade').val('');

} else {

alert("Please fill in all fields.");

}

});

$('#changeColorBtn').click(function() {

$('#studentTable tbody').css("color","red");

});

});

</script>

</body>

</html>

Q8.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Remove Element by ID</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

<h2>Remove Element by ID</h2>

<div id="container">

<p id="para1">This is paragraph 1.</p>

<p id="para2">This is paragraph 2.</p>

<p id="para3">This is paragraph 3.</p>

<p id="para4">This is paragraph 4.</p>

</div>

<label for="elementId">Enter Element ID to Remove: </label>

<input type="text" id="xy" placeholder="Enter ID">

<button>Remove Element</button>

<script>

$(document).ready(function() {

$("button").click(function() {

const elementId = $('#xy').val(); // Get value from input field

if (elementId) {

const idToRemove = document.getElementById(elementId); // Find the element by ID

if (idToRemove) {

$(idToRemove).remove(); // Remove the element using jQuery

} else {

alert("No element found with ID: " + elementId);

}

$('#xy').val(''); // Clear input field after removing

} else {

alert("Please enter an ID.");

}

});

});

</script>

</body>

</html>

Q9.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>jQuery CSS Display Block Popup</title>

<style>

/\* Overlay styling \*/

#popupOverlay {

display: none;

position: fixed;

top: 0;

left: 0;

width: 100%;

height: 100%;

background:yellow;

z-index: 10;

}

/\* Popup box styling \*/

#popupBox {

display: none;

position: fixed;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

width: 300px;

padding: 20px;

background-color: white;

border-radius: 8px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

z-index: 11;

text-align: center;

}

/\* Close button styling \*/

#closePopup {

margin-top: 20px;

padding: 8px 16px;

background-color: #333;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

}

</style>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

<h2>jQuery Display Block Popup Example</h2>

<button id="showPopup">Show Popup</button>

<!-- Popup overlay and box -->

<div id="popupOverlay"></div>

<div id="popupBox">

<h3>jQuery Popup</h3>

<p>This is a popup box displayed with jQuery by setting the CSS display property to block without using alert().</p>

<button id="closePopup">Close</button>

</div>

<script>

$(document).ready(function() {

// Show the popup

$('#showPopup').click(function() {

$('#popupOverlay').css('display', 'block');

$('#popupBox').css('display', 'block');

});

// Hide the popup

$('#closePopup, #popupOverlay').click(function() {

$('#popupOverlay').css('display', 'none');

$('#popupBox').css('display', 'none');

});

});

</script></body>

</html>