

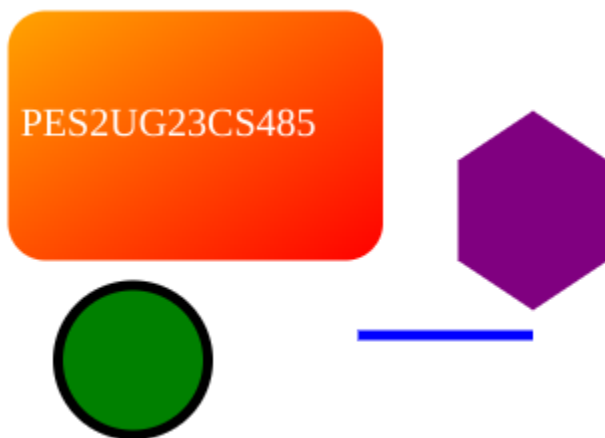
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	Date: 03/10/2024	Unit 2 Assignment Exercise

PROBLEM STATEMENT2 (for odd number SRNs):

TASK 1

Q1) Write a code to get the output shown below using SVG which include:

1. A rectangle with rounded corners, a gradient fill and some text inside the gradient-filled rectangle.
2. A polygon
3. A circle with stroke
4. A line



Explanation:

This HTML document defines a simple webpage that displays an SVG (Scalable Vector Graphics) image. It includes a rounded rectangle with a gradient fill, a text label, a rotated polygon, a green circle, and a blue line. The SVG elements are drawn with specific attributes for size, color, and position, creating a visually appealing graphic.

Q2) Write jQuery code to accomplish the following:

Before click

Web Tech.

Prepend Text

Append Text

Hide Div

Unhide Div

Change Text Color

Prepend Text: Add a button that, when clicked, fades out the <div> element, prepends the text "jQuery is awesome!" to the beginning of the <div> and then fades it back in.

When the Prepend Button is clicked

jQuery is awesome!

Web Tech.

Prepend Text

Append Text

Hide Div

Unhide Div

Change Text Color

Append Text: Add a button that, when clicked, appends the text " jQuery is awesome!" t the end of the <div> element with a slide-up effect before appending.Use jQuery method chaining to achieve this.

a)Hide Div:Add a button that, when clicked, hides the <div> element with a fade-out effect.

b) Unhide Div: Add a button that, when clicked, fades out the <div> and then fades it back in to show it again. Use jQuery method chaining to achieve this.

When the Append Button is clicked

jQuery is awesome!

Web Tech.

jQuery is awesome!

Prepend Text

Append Text

Hide Div

Unhide Div

Change Text Color

When the Hide Button is clicked

Prepend Text

Append Text

Hide Div

Unhide Div

Change Text Color

When the Unhide Button is clicked

jQuery is awesome!

Web Tech.

jQuery is awesome!

Prepend TextAppend TextHide DivUnhide DivChange Text Color

Change Text Color: Add a button that, when clicked, changes the text color of the elements with the class `.filterMe` inside the `<div>` element to a random color.

When the Change Text Color Button is clicked

jQuery is awesome!

Web Tech.

jQuery is awesome!

Prepend TextAppend TextHide DivUnhide DivChange Text Color

Explanation:

This HTML document showcases a simple jQuery example that manipulates elements within a styled container. It includes buttons to prepend or append text, hide or unhide the container, and change the text color of specific paragraphs. When the buttons are clicked, jQuery animations (like fade and slide) are used to create smooth transitions. The script also generates a random color for the text, enhancing interactivity and visual appeal. Overall, it demonstrates how to use jQuery for DOM manipulation and animations.

Q3) Write an HTML, CSS, and JavaScript code to create a form that submits data to a JSON placeholder API using AJAX and displays the response on the page, with a styled layout and error handling

Before :

Form Submission

Name:

Age:

After:

Form Submission

Name:

Age:

Submit

Form submitted successfully!
{ "Name": "Rithvik", "Age": "19",
"ID": 101 }

Explanation:

This HTML document creates a simple form for user input, specifically for entering a name and age. It uses CSS for styling, making the form visually appealing and centered on the page. The JavaScript code handles the form submission by sending the data to a specified server and displaying a success or error message based on the server's response.
