**Exercise 1: Changing Text Content**

Create an HTML paragraph element with some initial text and a button. When the button is clicked, change the paragraph’s text to a new message

**Exercise 2: Changing Styles Dynamically**

Use JavaScript to change the CSS styles of an element when a button is clicked

**Instructions:**

* Create a paragraph or a div element with some text.
* Create a button labeled "Change Style".
* When clicked, the background color, text color, and font weight of the element should change using

**Exercise 3: Creating and Appending Elements**

Dynamically create and add new elements to the page using JavaScript.

**Instructions:**

* Create a container element (<div> or <ul>).
* Add a button labeled "Add Item".
* When the button is clicked, a new <li> element with some sample text should be created and appended to the container.

**Exercise 4: Handling Events**

Understand and implement JavaScript event handling using addEventListener

**Instructions:**

* Create a button with the text "Change Background".
* When clicked, the background color of the page should change using JavaScript.
* Use addEventListener to handle the click event.

### ****Exercise 5: Handling Mouse Events (mouseover & mouseout)****

### Use JavaScript to detect when the mouse enters and leaves an element, and change its style accordingly.

**Instructions:**

1. Create a <div> with a fixed width and height (e.g., 200x200 pixels).
2. Add some text inside the <div>, like "Hover over me".
3. When the mouse hovers over the box (mouseover event), change the background color and text color using JavaScript.
4. When the mouse leaves the box (mouseout event), restore the original styles.

**Example Behavior:**

* On hover: background becomes blue, text becomes white.
* On mouse out: background returns to white, text returns to black.