### **Challenge #2: JavaScript - Event Listeners & Styling (10 minutes) *1.5 stars***

In this exercise, you will add **event listeners** to an HTML element (e.g. button in this exercise) such that your HTML page will dynamically change its content as per the user action (“events”). Fill in the missing JavaScript code such that:

1. When the user performs **mouse-over** on the button:
   * Display "Welcome to My Heart" in the 'result' box.
   * Change the 'result' box's background to 'pink' and text color to 'blue'.
2. When the user performs **mouse-out** on the button:
   * Display "Don't Leave Me Please" in the 'result' box below.
   * Change the 'result' box's background to 'black' and text color to 'red'.

#### **Instructions**

1. **Skeleton Files**:
   * Go to **eLearn → Content → Week 4 → In Class → (unzip) Week4\_InClass → Challenge2**
   * You will find **3 skeleton files**:
     + home.html: The main HTML file.
     + styles.css: The CSS file used to style the main page.
     + script.js: The JavaScript file you’ll use to add interactivity to the main page.
2. Don’t forget to use **Chrome Browser’s InCognito mode**.
3. Please remember to **hard-reload/refresh** (the main HTML page in the web browser upon making changes to the HTML file (if any), the CSS file (if any), and the JavaScript file (you will make changes here for sure).
   * **Windows**: CTRL + SHIFT + R
   * **Mac**: command + SHIFT +R
4. Go to home.html and inspect the code. Understand what elements are of importance in terms of DOM manipulation you will perform later on using JavaScript.
5. Go to script.js and
   * **Task 1**
     + Add an event listener to the button (the user drags his mouse over the button)
   * **Task 2**
     + Add an event listener to the button (the user drags his mouse out of the button)

*See below for example output screens*

| home.html (upon loading this page for the first time - the user hasn’t performed any actions on the button) |
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*See more examples in the next pages*

| home.html (after the user brings the **mouse over** the button) |
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*See more examples in the next page*

| home.html (after the user brings the **mouse out** of the button) |
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