Assighnment No : 3
Set A :
1) Write a javascript to display message 'Exams are near, have you started preparing for?' using alert, prompt and confirm boxes. Accept proper input from user and display messages accordingly.
=>

```html
<html>
 <head>
  <title>Exam Preparation</title>
  <script>
   function examPreparation() {
    alert("Exams are near, have you started preparing for them?");

    const startedPreparing = confirm(
     "Have you started preparing for your exams?"
    );
    if (startedPreparing) {
     const studyHours = prompt(
      "Great! How many hours are you studying daily?"
     );

     if (studyHours && !isNaN(studyHours)) {
      alert(
       `Well done! Studying ${studyHours} hours daily is a good habit.
        Keep it up!`
      );
     } else {
      alert("Please make sure to plan your study hours. Stay focused!");
     }
    } else {
     alert(
      "It's never too late to start preparing. Begin your studies today and
good luck!"
     );
    }
   }
  </script>
 </head>
 <body>
   <h1>Exam Preparation Reminder</h1>
    <button onclick="examPreparation()">Start Exam Preparation
     Check</button>
 </body>
</html>
```

OUTPUT :

display.html

Exam Preparation Reminder

Start Exam Preparation Check

2) Add or append in paragraph text and also in the numbered(ordered) list in a given HTML document using jQuery selectors. [Hint : Use Append( ) method]

=>

```html
<html>
 <head>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <script>
   $(document).ready(function () {
     $("#appendParagraph").click(function () {
       $("#myParagraph").append(" This is the appended text.");
     });

     $("#appendListItem").click(function () {
       $("#myList").append("<li>New List Item</li>");
     });
   });
  </script>
 </head>
 <body>
  <h1>jQuery Append Example</h1>
  <p id="myParagraph">This is the original paragraph.</p>
  <button id="appendParagraph">Append Text to Paragraph</button>
  <ol id="myList">
   <li>First item</li>
   <li>Second item</li>
   <li>Third item</li>
  </ol>
  <button id="appendListItem">Append Item to List</button>
 </body>
</html>
```

OUTPUT :

append.html

jQuery Append Example

This is the original paragraph.

Append Text to Paragraph

1. First item
2. Second item
3. Third item

Append Item to List

Set B :

1) Write a javascript function to validate username and password for a membership form.
=>

```html
<html>
<head>
<style>
 .error { color: red; font-size: 14px; }
</style>
<script>
 function validateForm(event) {
  event.preventDefault();
  const username = document.getElementById("username").value.trim();
  const password = document.getElementById("password").value.trim();
  const usernameError = document.getElementById("usernameError");
  const passwordError = document.getElementById("passwordError");
  usernameError.textContent = passwordError.textContent = "";

  if (username.length < 4 || username.length > 12)
   usernameError.textContent = "Username must be 4-12 characters.";
  if (password.length < 6 || !/[A-Z]/.test(password) ||
    !/[a-z]/.test(password) || !/[0-9]/.test(password))
   passwordError.textContent = "Password must be 6+ chars with upper,
lower, and number.";
  if (!usernameError.textContent && !passwordError.textContent)
   alert("Form submitted successfully!");
 }
</script>
</head>
<body>
<h1>Membership Form</h1>
<form id="membershipForm" onsubmit="validateForm(event)">
 <label>Username:</label><br>
 <input type="text" id="username"><br>
 <span id="usernameError" class="error"></span><br>
 <label>Password:</label><br>
 <input type="password" id="password"><br>
 <span id="passwordError" class="error"></span><br>
 <button type="submit">Submit</button>
</form>
</body>
</html>
```

OUTPUT :

validate.html

Membership Form

Username:

Password:

Submit

2) To insert text before and after an image using jQuery. [Hint : Use before( ) and after( )]
=>

```html
<html>
<head>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<script>
 $(document).ready(function () {
   $("#image").before("<p>Text before the image.</p>");
   $("#image").after("<p>Text after the image.</p>");
 });
</script>
</head>
<body>
<h1>Insert Text with jQuery</h1>
<img id="image" src="https://picsum.photos/200/300" alt="Example Image">
</body>
</html>
```

OUTPUT :

image.html

Insert Text with jQuery

Text before the image.

Text after the image.

SET C:
1) Write a Javascript program to accept name of student, change font color to red, font size to 18 if student name is present otherwise on clicking on empty text box display image which changes its size (Use onblur, onload, onmousehover, onmouseclick, onmouseup)
=>

```html
<html>
<head>
<style>
 #studentName { font-size: 16px; color: black; }
 #image { display: none; transition: 0.3s; width: 300px; height: 200px; }
</style>
<script>
 function handleBlur() {
   const nameInput = document.getElementById("studentName");
   const img = document.getElementById("image");
   if (nameInput.value.trim() !== "") {
     nameInput.style.color = "red";
     nameInput.style.fontSize = "18px";
   } else {
     img.style.display = "block";
   }
 }
 function changeImageSize(size) {
   const img = document.getElementById("image");
   img.style.width = size.width;
   img.style.height = size.height;
 }
</script>
</head>
<body onload="console.log('Page Loaded!')">
<h1>Enter Student Name</h1>
<input type="text" id="studentName" placeholder="Enter your name" onblur="handleBlur()">
<br><br>
<img id="image" src="https://picsum.photos/200/300" alt="Placeholder"
 onmouseover="changeImageSize({width: '400px', height: '300px'})"
 onmouseout="changeImageSize({width: '300px', height: '200px'})"
 onclick="alert('Image clicked!')"
 onmouseup="console.log('Mouse released on image')">
</body>
</html>
```

OUTPUT :

event.html

Enter Student Name

Enter your name

⬇

Enter Student Name

tushar

⬇

Enter Student Name

Enter your name

2) Remove div section elements after clicking on button using jQuery.
[Hint : Use #id selector]
=>

```html
<html>
  <head>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <style>
      #section {
        background: lightblue;
        padding: 20px;
        margin: 20px;
      }
      #removeButton {
        padding: 10px;
        background: crimson;
        color: white;
        border: none;
        cursor: pointer;
      }
      #removeButton:hover {
        background: darkred;
      }
    </style>
  </head>
  <body>
    <h1>Remove Div Example</h1>
    <div id="section">
      <p>This section will be removed when you click the button.</p>
    </div>
    <button id="removeButton">Remove Section</button>
    <script>
      $(function () {
        $("#removeButton").click(() => $("#section").remove());
      });
    </script>
  </body>
</html>
```

OUTPUT :

remove.html

Remove Div Example

This section will be removed when you click the button.

Remove Section