

LAB ASSIGNMENT 13

U24CS076

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Q1;Q

<!-- Write a program in JavaScript to open a link without clicking on it. -->

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Open Link without Clicking</h1>
```

```
  <p>hover the button below to open a link without clicking on it.</p>
```

```
  <button onmouseover="openLink();">Open Link</button>
```

```
  <script>
```

```
    function openLink() {
```

```
      window.open('https://www.google.com');
```

```
    }
```

```
  </script>
```

```
</body>
```

```
</html>
```

Q2;

```
<!-- Write a program to open a URL in a new tab using java script. -->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

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

```
    <title>Document</title>
```

```
</head>
```

```
<body>
```

```
    <button onclick="openURL()">Open URL</button>
```

```
    <script>
```

```
        function openURL(){
```

```
            var url = "https://www.google.com";
```

```
            window.open(url);
```

```
        }
```

```
    </script>
```

```
</body>
```

```
</html>
```

Q3;

```
<!-- Display a message in confirmation box, prompt box and alert box using JavaScript -->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>

  <meta charset="UTF-8">

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

  <title>Document</title>

</head>

<body>


  <h1>JavaScript Confirmation, Prompt, and Alert Boxes</h1>

  <p>1. Show a confirmation box</p>

  <p>2. Show a prompt box</p>

  <p>3. Show an alert box</p>

  <input type="number" id="choise" placeholder="Enter your choice">

  <button onclick="box()">Show box</button>


  <script>

    function box() {

      var num = document.getElementById("choise").value;

      if (num == 1) {

        confirm("Hello user, welcome to our website!");

      } else if (num == 2) {

        prompt("Hello user, welcome to our website!");

      } else if (num == 3) {

        alert("Hello guest, please log in or sign up.");

      } else {

        alert("Invalid choice. Please enter 1, 2, or 3.");

      }

    }

  }

</script>
```

```
</body>
```

```
</html>
```

Q4;

```
<!-- Create a form and validate the form using JavaScript. -->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>Document</title>
```

```
  <style>
```

```
    * {
```

```
      margin: 0;
```

```
      padding: 0;
```

```
    }
```

```
    .div1 {
```

```
      display: flex;
```

```
      justify-content: center;
```

```
      align-items: center;
```

```
      background-color: black;
```

```
      height: 100vh;
```

```
    }
```

```
    form {
```

```
      height: 200px;
```

```
      width: 300px;
```

```
      background-color: rgb(123, 91, 143);
```

```
        display: flex;
        flex-direction: column;
        justify-content: center;
        align-items: center;
        border-radius: 10%;
    }
    input {
        padding: 2px;
        margin: 4px;
    }
    button {
        margin-top: 10px;
    }
    h1 {
        color: beige;
    }
</style>
</head>
<body>
    <div class="div1">
        <form onsubmit="return validate()">
            <h1>Login</h1>
            <input type="email" id="email" placeholder="Email">
            <input type="password" id="password" placeholder="Password">
            <button type="submit">Login</button>
        </form>
    </div>
    <script>
```

```
function validate() {  
    var pass = {  
        "Xyz@gmail.com": "123456",  
        "abc@gmail.com": "1234567890"  
    };  
  
    let email = document.getElementById("email").value;  
    let password = document.getElementById("password").value;  
  
    if (email in pass) {  
        if (pass[email] === password) {  
            alert("User exists. Login successful!");  
        } else {  
            alert("Password is incorrect.");  
        }  
    } else {  
        alert("Email doesn't exist.");  
    }  
  
    // Prevent form submission  
    return false;  
}  
</script>  
</body>  
</html>
```

Q5;

<!-- Change the text of the first element that has the class name "test".

```
<p class="test"></p>
```

```
<p class="test"></p>
```

```
<script> _____ = "Hello";
```

```
</script> -->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <p class="test"></p>
```

```
  <p class="test"></p>
```

```
  <script>
```

```
    document.querySelector(".test").textContent = "Hello";
```

```
  </script>
```

```
</body>
```

```
</html>
```

Q6;

<!-- Use HTML DOM to change the value of the input field.

<input type="text" id="myText" value="Hello">

<script>

document.getElementById("myText")_____ = "Have a nice day!";

</script> -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

</head>

<body>

<input type="text" id="myText" value="Hello">

<script>

document.getElementById("myText").value="Have a nice day!";

</script>

</body>

</html>

Q7;

<!-- Change the font size of the p element to 40 pixels.

<p id="demo"></p>

<script> document.getElementById("demo")_____ = "_____";

</script> -->


```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Document</title>

</head>

<body>

  <p id="demo">Rushang</p>

  <script> document.getElementById("demo").style.fontSize = "40px";

</script>

</body>

</html>
```

Q8;

<!-- Use the CSS display property to hide the p element.

```
<p id="demo"></p> <script> document.getElementById("demo")_____
= " _____ ";
</script> -->
```

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Document</title>

</head>

<body>
```

```
<p id="demo">Rushang</p>
```

```
<script>
```

```
document.getElementById("demo").style.display = "none";
```

```
</script>
```

```
</body>
```

```
</html>
```

Q9;

<!-- Use the eventListener to assign an onclick event to the <button> element.

```
<button id="demo">Click me1</button>
```

```
<script>
```

```
document.getElementById("demo")_____. ("_____", myFunction);
```

```
</script> -->
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

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

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
<button id="demo">Click me</button>
```

```
<p id="para"></p>
```

```
<script>
```

```
document.getElementById("demo").addEventListener("click", myFunction);4
function myFunction() {
    document.getElementById("para").innerHTML = "Hello World!";
}
</script>
</body>
</html>
```