

Semester V (CS, SE) (Fall 2023) Lab-6

Course Instructor(s): Zoya & Fahad Shahzad

Understanding of DOM

Lab Task(s):

Exercises

1. Write a JavaScript program to set the background color of a paragraph.

```
<!DOCTYPE html>
<html>

<head>

<meta charset=utf-8 />
<title>JS Bin</title>
</head>

<body>
<input type="button" value="Click to set paragraph background color"
onclick="set_background()">
<p>w3resource JavaScript Exercises</p>
<p>w3resource PHP Exercises</p>
</body>

</html>
```

2. Here is a sample html file with a submit button. Write a JavaScript function to get the value of the href, hreflang, rel, target, and type attributes of the specified link.

```
<!DOCTYPE html>
<html>

<head>
<meta charset=utf-8 />
</head>

<body>
```

```

<p><a id="w3r" type="text/html" hreflang="en-us" rel="nofollow" target="_self"
href="http://www.w3resource.com/">w3resource</a></p> <button
onclick="getAttributes()">Click here to get attributes value</button>
</body>

</html>

```

33. Here is a sample html file with a submit button. Now modify the style of the paragraph text (such as fontSize, fontFamily, color, etc.)through javascript code.

```

<!DOCTYPE html>
<html><br>
<head>
  <meta charset=utf-8 />
  <title>JS DOM paragraph style</title>
</head>

<body>
  <p id='text'>JavaScript Exercises - w3resource</p> <div>
  <button id="jsstyle" onclick="js_style()">Style</button> </div>
</body>

</html>

```

4. Write a JavaScript function to add rows to a table.

```

<!DOCTYPE html>
<html>

<head><br>
  <meta charset=utf-8 />
  <title>Insert row in a table - w3resource</title> </head>

<body>
  <table id="sampleTable" border="1">
    <tr>
      <td>Row1 cell1</td>
      <td>Row1 cell2</td>
    </tr>
    <tr>

```

```

<td>Row2 cell1</td>
<td>Row2 cell2</td>
</tr>
</table><br>
<input type="button" onclick="insert_Row()" value="Insert row"> </body>

</html>

```

5. Given the following HTML:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Document</title>
</head>
<body>
<div class="header">
</div>
<section id="container">
<ul>
<li class="first">one</li>
<li class="second">two</li>
<li class="third">three</li>
</ul>
<ol>
<li class="first">one</li>
<li class="second">two</li>
<li class="third">three</li>
</ol>
</section>
<div class="footer">
</div>
</body>

```

Write the code necessary to do the following:

1. Select the `section` with an id of `container` without using `querySelector`.
2. Select the `section` with an id of `container` using `querySelector`.
3. Select all of the list items with a class of "second".
4. Select a list item with a class of `third`, but only the list item inside of the `ol` tag.
5. Give the `section` with an id of `container` the text "Hello!".

6. Add the class `main` to the `div` with a class of `footer`.
7. Remove the class `main` on the `div` with a class of `footer`.
8. Create a new `li` element.
9. Give the `li` the text "four".
10. Append the `li` to the `ul` element.
11. Loop over all of the `lis` inside the `ol` tag and give them a background color of "green".
12. Remove the `div` with a class of `footer`.

6. For this task you will be combining your knowledge of DOM access and events to build a todo app!

As a user, you should be able to:

- Add a new todo (by submitting a form)
- Mark a todo as completed (cross out the text of the todo)
- Remove a todo

Now using `localStorage`, try to store your todos so that if you refresh the page you do not lose what you have added to the list! As a super bonus, try to also save todos that you have marked as complete!

7. Create a Tic Tac Toe game with two players. Following is a sample output.



END

