

Mohan Sai Potla

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JavaScript Assignment 21

1. Select an <h2> tag with id of text and change its inner text to "Hello World".

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Question 1</title>
</head>
<body>
  <h1>iNeuron Assignment</h1>
  <h2 id ="text">This part changes.</h2>

  <script>
    document.getElementById('text').innerHTML = "Hello
World"
  </script>

</body>
</html>
```

2. Apply following style to the same h2 using Javascript DOM Method.

colour: red,

fontWeight: bold,

textTransform: uppercase

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Question 2</title>
</head>
<body>
  <h1>iNeuron Assignment</h1>
  <h2 id="text">This part changes.</h2>

  <script>
    document.getElementById('text').innerHTML = "Hello
World"
    let styles = `
      color: red;
      font-weight: bold;
      text-transform: uppercase
    `
    document.getElementById('text').style = styles
  </script>

</body>
</html>
```

3. Create a simple calculator that takes the input from input1, input 2 and add them together.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Question 3</title>
</head>
<body>
  <p>First Number</p>
  <input id="inp1" type = "text" placeholder="enter first number"
name="input" />
  <p>Second Number</p>
  <input id="inp2" type = "text" placeholder="enter Second
number" name="input"/>
  <br/>
  <br/>
  <button onclick="addition()">Addition</button>
  <br/>
  <h2 id="output"></h2>

<script>

function addition(){
  let x = document.getElementById("inp1").value
  let y = document.getElementById("inp2").value
  let op = parseInt(x)+parseInt(y)
  document.getElementById("output").innerHTML = "The Addition of
two Numbers =" + op;
}

</script>

</body>
</html>
```

4. What is the error in the following code?

```
<!DOCTYPE html>
<html>
<body>

<p class="text">Hello World!</p>

<script>
document.getElementById("text").innerHTML = "Hi JS DOM!";
</script>

</body>
</html>
|
```

In p tag class attribute is used. But in script getElementById is used instead of getElementsByClassName.

5). Using JS Dom select a button and set its onclick event to logging hello in the console.

```
<!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>This Assignment logs Hello in the console</h1>
  <button onclick="fnc()">Click Me</button>

<script>
function fnc(){
  console.log("Hello")
}
</script>
</body>
</html>
```

6. Using alert, prevent a person from leaving the screen using JS DOM.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Question 11</title>
</head>
<body>
  <form id="form1" onsubmit="getFormValue()">
    Name: <input type="text" id="name"/><br/>
    <button type="submit">Submit</button>
  </form>
  <h2 id="output"></h2>
  <script>
    function getFormValue(){
      event.preventDefault()
      let value = document.getElementById("name").value
      console.log(value);
      document.getElementById("output").innerHTML=value
    }

    const beforeUnloadListener = (event) => {
      event.preventDefault();
      return event.returnValue = "Are you sure you want to
exit?";
    };

    const nameInput = document.querySelector("#name");

    nameInput.addEventListener("input", (event) => {
      if (event.target.value !== "") {
        addEventListener("beforeunload", beforeUnloadListener,
{capture: true});
      } else {
        removeEventListener("beforeunload",
beforeUnloadListener, {capture: true});
      }
    });
  </script>
</body>
</html>
```

7. Select all the h2 tags on screen and change their colour to Purple

```
<!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 id="heading">This Assignment selects all the h2 tags on
screen and change their colour to
purple when we clicked on button</h1>
  <h2>This is the h2 tagged element 1</h2>
  <h2>This is the h2 tagged element 2</h2>
  <h2>This is the h2 tagged element 3</h2>
  <button onclick="fnc()">Click Me</button>

<script>
function fnc(){
  let heading = document.getElementsByTagName("h2")
  for (let i=0; i<heading.length; i++){
    heading[i].style.color = "purple"
  }
}
</script>
</body>
</html>
```

8. Create a new <h4> tag on the screen using JS DOM.

```

<!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 id ="heading">This Assignment creates a h4 tag when we
clicked on button</h1>
  <button onclick="fnc()">Click Me</button>

<script>
function fnc(){
  const element = document.createElement("h4")
  element.textContent="This is the h4 tag element"
  document.body.appendChild(element)
}
</script>
</body>
</html>

```

9. Remove an element from the screen using js dom.

```

<!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 id ="heading">This Assignment removes this heading when we
clicked on button</h1>
  <button onclick="fnc()">Click Me</button>

<script>
function fnc(){
  const element = document.getElementById("heading");
  element.remove();
}
</script>
</body>
</html>

```

10. Get the number of <p> tags on the screen using JS DOM.

```
<!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 id="heading">This Assignment the number of &lt;p&gt; tags
on the screen when we clicked on button</h1>
  <p>This is the p tagged element 1</p>
  <p>This is the p tagged element 2</p>
  <p>This is the p tagged element 3</p>
  <button onclick="fnc()">Click Me</button>
  <br/>

<script>
function fnc(){
  let para = document.getElementsByTagName("p")
  let tag = document.createElement("h2").innerHTML = "There are
"+para.length+" p tagged elements in the DOM"
  document.body.append(tag)
}
</script>
</body>
</html>
```

11. Fetch the value of name from the following form.

```
<!DOCTYPE html>
<html><head>
<meta charset=utf-8 />
</head><body>
<form id="form1" onsubmit="getFormvalue()">
  Name: <input type="text" id="name"><br>
  <button type="submit">Submit</button>
</form>
</body>
</html>
```



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Question 11</title>
</head>
<body>
  <form id="form1" onsubmit="getFormValue()">
    Name: <input type="text" id="name"/><br/>
    <button type="submit">Submit</button>
  </form>
  <h2 id="output"></h2>
  <script>
    function getFormValue(){
      event.preventDefault()
      let value = document.getElementById("name").value
      console.log(value);
      document.getElementById("output").innerHTML=value
    }
  </script>
</body>
</html>
```