

Assignment

(a) Demonstrate various DOM Events.

Code:

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

<div onmouseover="mOver(this)" onmouseout="mOut(this)"
style="background-color:#D94A38;width:120px;height:20px;padding:40px;">
Mouse Over Me</div>

<script>
function mOver(obj) {
  obj.innerHTML = "Thank You"
}

function mOut(obj) {
  obj.innerHTML = "Mouse Over Me"
}
</script>

</body>
</html>
```



Mouse Over Me



Thank You

(b) Demonstrate Event handling using `addEventListener()`.

Code:

```
<!DOCTYPE html>
<html>
<body>
<p> Example of the addEventListener() method. </p>
<p> Click the following button to see the effect. </p>
<button id = "btn"> Click me </button>
<p id = "para"></p>
<script>
document.getElementById("btn").addEventListener("click", fun);
function fun()
{
document.getElementById("para").innerHTML = "Hello World" + "<br>" + "Welcome to the
javaTpoint.com";
}
</script>
```

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

Example of the `addEventListener()` method.

Click the following button to see the effect.

Click me

Hello World
Welcome to the javaTpoint.com

(c) Demonstrate Client side validations using javascript.

Code:

```
<html>
<head>
<script>
function validateForm(){
let name=document.getElementById("name").value;
if (name == "") {
alert("name must be filled out");
return false;
}
}
</script>
</head>
<body>
<h2>client side validation</h2>
<form name="myForm" action ="b.html" onsubmit="return validateForm()" method="post">
Name: <input type ="text" name="fname" id="name">
<input type="submit" value="Submit">
</form>
</body>
</html>
```

output:



The screenshot shows a web browser window with the address bar displaying the file path: C:/Users/Student/Downloads/21se02ml006/forexam/valid.html. The page content is divided into three sections. The first section, titled "client side validation", contains a form with a "Name:" label, an empty text input field, and a "Submit" button. A dark grey error message box is overlaid on the right side of this section, stating "This page says name must be filled out" with an "OK" button. The second section, also titled "client side validation", contains a form with a "Name:" label, a text input field containing "ddddddd", and a "Submit" button. The third section, separated by a horizontal line, contains the text "hi welcome to out place".

client side validation

Name:

This page says
name must be filled out

client side validation

Name:

hi welcome to out place