Experiment No: 4

Aim: HTML, Java Script

Objective: .
1. Understand Basic concept of JS.
2. Use Javascript for validation of data.

Problem statement: WAP to design registration form for students by using HTML, CSS & Javascript & Perform Validation all fields are mandatory. Phone no & email address

Software: Notepad, Any browser

Theory: JavaScript is a programming language of HTML as well as web. It is preffered for creating n/w centric application. .

Advantages:
- It requires less server interaction
- Immediate feedback to visitory
- Increased interactivity
- Richer interfaces

Validation: when client enters all necessary data & prese submit button from validation is done at server side if data entered by client is

incorrect or missing. Server needs to send all data back to client & request for resubmission of form must be checked to make sure all mandatory fields are filled in & check its value.

Technology : It can be implemented using JS Statement that are place within <script> language - This attribute specifies with Scripting language you all using.

Type - This attribute is what is now recommended to indicate Scripting language in use.

Test cases : All fields like full name, class, dept, address, phone no, email id are mandatory fields.
- Phone no should be in numbers only
- Email id should be in proper format like abc@gmail.com

Conclusion :
Hence, we applied validate data using Java Script.

Program:

```html
<html>
<head>
<title>Registration Form Validation</title>
<style>
.con
{
width:400px;
height:400px;
background-color:pink;
color:blue;
padding:0px 10px 0px 10px;
margin:auto;
}
.main
{
width:400px;
height:80px;
float:left;
padding:60px 10px 10px10px;
margin: auto;
}
.con1
{
width:200px;
height:30px;
float:left;
```

```css
margin:auto;

padding:0px 0px 0px0px;

}


</style>
```
```html
<script type="text/javascript">
```
```javascript
function Validation()

{

varemailID = document.myForm.EMail.value;

varnum=document.myForm.ph.value;

atpos = emailID.indexOf("@");

dotpos = emailID.lastIndexOf(".");

if (atpos< 1 || ( dotpos - atpos< 2 ))

{

alert("Please enter correct email ID")

document.myForm.EMail.focus() ;

return false;

}

else if (isNaN(num)){

document.getElementById("ph");

alert("Please enter numeric only.")

return false;

}else{


return true;

}


}
```

```html
</script>
</head>
<body>
<div class="con">
<form>
<div class="main">
<table align="center">
<tr><td><b><br>Welcome to Registration
Page<br><br></td></tr> </table>
<div class="con1">
<table align="center">
<tr>
<td>Full Name:</td>
<td><input type="text" id="FirstName" value="" required></input></td> </tr>
<tr>
<td>Class:</td>
<td><input type="text" id="Class" value="" required></input></td>


</tr>
<tr>
<td>Department:</td>
<td><input type="text" id="Department" value="" required></input></td>


</tr>
<tr>
<td>address:</td>
<td><textarea row="3" column="2" value="" required></textarea></td>
</tr>
```

```html
<tr>
<td>email Id:</td>
<td><input type="text" value="" id="EMail"required></input></td>


</tr>
<tr>
<td>phone no:</td>
<td><input type="text" id="ph" value="" required></input></td>
</tr>
<tr>
<tr></tr><tr></tr></table>
<table align="center">
<td><input type="submit" value="SUBMIT" onclick="return


(Validation());"></td>


<td><input type="reset" value="CANCEL"></td>
</tr>
</table>
</div>
</div>
</form>
</div>
</body>
</html>
```