

MODULE-2 JAVASCRIPT LAB PRACTICE PROGRAMS

11. Write a Java script to prompt for users name and display it on the screen.

JavaScript prompt() dialog box

The **prompt()** method in JavaScript is used to display a prompt box that prompts the user for the input. It is generally used to take the input from the user before entering the page. It can be written without using the **window** prefix. When the prompt box pops up, we have to click "OK" or "Cancel" to proceed.

The box is displayed using the **prompt()** method, which takes two arguments: The first argument is the label which displays in the text box, and the second argument is the default string, which displays in the textbox. The prompt box consists of two buttons, **OK** and **Cancel**. It returns null or the string entered by the user. When the user clicks "OK," the box returns the input value. Otherwise, it returns null on clicking "Cancel".

The prompt box takes the focus and forces the user to read the specified message. So, it should avoid overusing this method because it stops the user from accessing the other parts of the webpage until the box is closed.

Syntax

1. prompt(message, default)

Code :

```
<html>
<head>
  <title>
    Greetings </title>
</head>
<body>
<script>
  firstName = prompt("Please
  enter your name", "");
  document.write("Hello " +
    firstName + ", welcome to my Web page.");
</script>
<p> This is my web page... </p>
</body>
</html>
```

OUTPUT :

12. Design HTML form for keeping student record and validate it using Java script.

Form validation using HTML and JavaScript

Forms are used in webpages for the user to enter their required details that further send to the server for processing. A form is also known as a web form or HTML form. Examples of form use are prevalent in e-commerce websites, online banking, and online surveys to name a few.

[HTML](#) is used to create the form.

[CSS](#) to design the layout of the form.

[JavaScript](#) to validate the form.

Validating a form: The data entered into a form needs to be in the right format and certain fields need to be filled in order to effectively use the submitted form. Username, password, contact information are some details that are mandatory in forms and thus need to be provided by the user.

Code:

```
<html>
<head>
<script>
function awp() { var name =
document.forms["RegForm"]["Name"]; var email =
document.forms["RegForm"]["EMail"]; var phone =
document.forms["RegForm"]["Telephone"]; var what =
document.forms["RegForm"]["Subject"]; var password =
document.forms["RegForm"]["Password"]; var address =
document.forms["RegForm"]["Address"];

if (name.value == "") {
window.alert("Please enter your name."); name.focus();
return false;
}

if (address.value == "") {
window.alert("Please enter your address."); address.focus();
return false;
}

if (email.value == "") { window.alert(
"Please enter a valid e-mail address."); email.focus();
return false;
}

if (phone.value == "") { window.alert(
```

```
"Please enter your telephone number."); phone.focus();  
return false;  
}
```

```
if (password.value == "") { window.alert("Please enter your password");  
password.focus();  
return false;  
}
```

```
if (what.selectedIndex < 1) { alert("Please enter your course."); what.focus();  
return false;  
}
```

```
return true;  
}
```

```
</script>
```

```
<style >  
div {  
box-sizing: border-box; width: 100%;  
border: 100px solid black; float: left;  
align-content: center; align-items: center; color: blue;  
}
```

```
form {  
margin: 0 auto; width: 600px; color: lightyellow;  
}  
</style>  
</head>
```

```
<body>  
<h1 style="text-align: center; color: aqua">REGISTRATION FORM</h1>  
<form name="RegForm" action="/submit.php" onsubmit="return awp()"   
method="post" >  
<p style="color: red">Name: <input type="text"   
size="65" name="Name" /></p>  
<br />  
<p style="color: red">Address: <input type="text"   
size="65" name="Address" />  
</p>  
<br />  
<p style="color: red">E-mail Address: <input type="text"
```

```
size="65" name="EMail" /></p>
<br />
<p style="color: red">Password: <input type="text"
size="65" name="Password" /></p>
<br />
<p style="color: red">Telephone: <input type="text"
size="65" name="Telephone" /></p>
<br />
```

```
<p style="color: red"> SELECT YOUR COURSE
<select type="text" value="" name="Subject">
<option>BTECH</option>
<option>BBA</option>
<option>BCA</option>
<option>B.COM</option>
<option>GEEKFORGEEKS</option>
</select>
</p>
<br />
<br />
<p>Comments: <textarea cols="55"
name="Comment"> </textarea></p>
<p style="color: red">
```

```
<input type="submit"
value="send" name="Submit" />
<input type="reset"
value="Reset" name="Reset" />
</p>
</form>
</body>
</html>
```

NOTE:Click the "Submit" button and the form-data will be sent to a page on the server called action="/submit.php". will teach you how servers are processing input. Processing input will be explain in PHP.

OUTPUT :

13. Write programs using Java script for Web Page to display browsers information.

JavaScript Navigator Object

The **JavaScript navigator object** is used for browser detection. It can be used to get browser information such as appName, appCodeName, userAgent etc.

The navigator object is the window property, so it can be accessed by: window.navigator Or navigator

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible"
content="IE=edge">
    <meta name="viewport" content="width=device-
width, initial-scale=1.0">
    <title>Document</title>
    <script>
        function show()
        {

document.writeln("<br/>navigator.appCodeName: "+navigator.appCodeName);
document.writeln("<br/>navigator.appName: "+navigator.appName);
document.writeln("<br/>navigator.appVersion: "+navigator.appVersion);
document.writeln("<br/>navigator.cookieEnabled: "+navigator.cookieEnabled);
document.writeln("<br/>navigator.language: "+navigator.language);
document.writeln("<br/>navigator.userAgent: "+navigator.userAgent);
document.writeln("<br/>navigator.platform: "+navigator.platform);
document.writeln("<br/>navigator.onLine: "+navigator.onLine);
        }

    </script>
</head>
<body>
    <form id="form1">
        <div>
            <input align="middle" id="Button1"
type="button" value="Click me" onclick="show()" />
```

```
        </div>
    </form>

</body>
</html>
```

OUTPUT :

14: Validate form page using JavaScript

JavaScript Form Validation

It is important to validate the form submitted by the user because it can have inappropriate values. So, validation is must to authenticate user.

JavaScript provides facility to validate the form on the client-side so data processing will be faster than server-side validation. Most of the web developers prefer JavaScript form validation.

Through JavaScript, we can validate name, password, email, date, mobile numbers and more fields.

JavaScript Form Validation Example

In this example, we are going to validate the name and password. The name can't be empty and password can't be less than 6 characters long.

Here, we are validating the form on form submit. The user will not be forwarded to the next page until given values are correct.

CODE:

```
<!DOCTYPE html>
```

```

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script>
    function validateform(){
      var name=document.myform.name.value;
      var password=document.myform.password.value;

      if (name==null || name==""){
        alert("Name can't be blank");
        return false;
      }else if(password.length<6){
        alert("Password must be at least 6 characters long.");
        return false;
      }
    }
  </script>
</head>
<body>
  <form name="myform" method="post"
action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return
validateform()" >
    Name: <input type="text" name="name"><br/>
    Password: <input type="password" name="password"><br/>
    <input type="submit" value="register">
  </form>

</body>
</html>

```

NOTE: form-data will be sent to a page on the server called action="http://www.javatpoint.com/javascriptpages/valid.jsp". will teach you how servers are processing input. Processing input will be explain in JSP.

OUTPUT :