**Practical 4**

**Aim** : Design a registration form with fields like first name, last name, address, email-id, password

and confirm password, write appropriate validation checks for each field.

**Theory :**

getElementById() Method

The getElementById() method returns the element that has the ID attribute with the specified value. This method is one of the most common methods in the HTML DOM, and is used almost every time you want to manipulate, or get info from, an element on your document. Returns null if no elements with the specified ID exists. An ID should be unique within a page. However, if more than one element with the specified ID exists, the getElementById() method returns the first element in the source code. Syntax document.getElementById(elementID)

Window alert() Method

The alert() method displays an alert box with a specified message and an OK button. An alert box is often used if you want to make sure information comes through to the user. Note: The alert box takes the focus away from the current window, and forces the browser to read the message. Do not overuse this method, as it prevents the user from accessing other parts of the page until the box is closed. Syntax alert(message)

JavaScript Functions

A JavaScript function is a block of code designed to perform a particular task. A JavaScript function is executed when "something" invokes it (calls it).

JavaScript Function Syntax

A JavaScript function is defined with the function keyword, followed by a name, followed by parentheses (). Function names can contain letters, digits, underscores, and dollar signs (same rules as variables). The parentheses may include parameter names separated by commas: (parameter1, parameter2, ...) The code to be executed, by the function, is placed inside curly brackets: {}

function name (parameter1, parameter2, parameter3) { code to be executed

}

Function parameters are listed inside the parentheses () in the function definition. Function arguments are the values received by the function when it is invoked. Inside the function, the arguments (the parameters) behave as local variables

HTML Form:

The HTML <form> element defines a form that is used to collect user input:

<form>

.

form elements . </form>

An HTML form contains form elements. Form elements are different types of input elements, like text fields, checkboxes, radio buttons, submit buttons, and more. The <input> element is the most important form element. The <input> element can be displayed in several ways, depending on the type attribute.

Text Input

<input type="text"> defines a one-line input field for text input:

Radio Button Input

<input type="radio"> defines a radio button. Radio buttons let a user select ONE of a limited number of choices:

The Submit Button

<input type="submit"> defines a button for submitting the form data to a form-handler. The form-handler is typically a server page with a script for processing input data.

**INPUT**

<html> <head> <script>

function val()

{

var name=document.getElementById("fname").value;

var lname=document.getElementById("lname").value;

var address=document.getElementById("address").value;

var email=document.getElementById("email").value;

var password=document.getElementById("password").value;

var cpassword=document.getElementById("cpassword").value;

if(name=="")

{ window.alert("First name cannot be empty");

}

if(lname=="")

{ window.alert("Last name cannot be empty");

}

if(address=="")

{ window.alert("Address cannot be empty");

}

if(email=="")

{ window.alert("Email cannot be empty");

}

if(email.indexOf("@")<1 || email.lastIndexOf(".")<email.indexOf("@")+2 || email.lastIndexOf(".")+2>=email.length)

{

window.alert("It is not a valid email");

}

if(password=="")

{

window.alert("Pasword cannot be empty");

}

if(cpassword=="") {

window.alert("Confirm password should be same as that of password");

} }

</script> </head> <body> <form>

First Name: <input type="text" id="fname"></br></br>

Last Name: <input type="text" id="lname"></br></br>

Address: <input type="textarea" id="address" rows="20" cols="5"></br></br>

Email: <input type="text" id="email"></br></br>

Password: <input type="password" id="password"></br></br>

Confirm Password: <input type="password" id="cpassword"></br></br>

<input type="submit" name="submit" onclick="val()" value="Submit"></br></br>

</form>

</body>

</html>

**OUTPUT**











