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**LAB ACTIVITY-3**

**(JAVASCRIPT)**

**SOURCE CODE:**

```
<!DOCTYPE html>

<html>

<head>

<script type="text/javascript">

function hello(form)

{

var regex1 = /[a-zA-Z]{1,20}/;

var regex2 = /[A-Za-z0-9]{3,10}/;

var regex3 = /[A-Za-z][A-Za-z0-9]{1,20}@[A-Za-z]{1,10}\.[a-zA-Z]{2,4}/;

var regex4 = /[0-9]{10}/;

var regex5 = /[h][t][t][p][s]?:[/][w]{3}\.[A-Za-z0-9]{1,20}\.[a-zA-Z]{2,4}/;

if(form.username.value == "")

{

    alert("Enter your username");

    form.username.focus();

    return false;

}

if(regex1.test(form.username.value)==false)

{

    alert("First name should contain alphabetic characters!");
```

```
        form.username.focus();  
        return false;  
    }  
    if(form.password.value == "")  
    {  
        alert("Enter your password");  
        form.password.focus();  
        return false;  
    }  
    if(regex2.test(form.password.value) == false)  
    {  
        alert("Password should be 3-10 characters only!");  
        form.password.focus();  
        return false;  
    }  
    if(form.emailid.value == "")  
    {  
        alert("Enter the email");  
        form.emailid.focus();  
        return false;  
    }  
    if(regex3.test(form.emailid.value) == false)  
    {  
        alert("email should be of the form fayed@xyz.com");  
        form.emailid.focus();  
        return false;  
    }  
    if(form.mobno.value == "")  
    {
```

```
        alert("Enter the Mobile Number");
        form.mobno.focus();
        return false;
    }
    if(regex4.test(form.mobno.value) == false)
    {
        alert("Mobile No should be of 10 digits");
        form.mobno.focus();
        return false;
    }
    if(form.weburl.value == "")
    {
        alert("Enter the value in Web Address");
        form.weburl.focus();
        return false;
    }
    if(regex5.test(form.weburl.value) == false)
    {
        alert("The format should be http://www.abc.com");
        form.weburl.focus();
        return false;
    }

    return true;
}
</script>
<style>
    body {
        text-align:left;
```

```
        background-color: gray;
    }
    input{
        text-align:left;
        width: 50%;
        padding: 12px 20px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
    }
    input:not(focus) {
        background: url("symbol.png") right;
        background-repeat: no-repeat;
        background-origin: content-box;
        background-color: white;
        border: 2px solid grey;
        border-radius: 4px;
    }

    input:focus {
        border: 2px solid #00ff00;
        border-radius: 4px;
    }
    input:valid {
        background: url("valid.png") right;
        background-repeat: no-repeat;
        background-origin: content-box;
```

```
        background-color: white;

        border: 2px solid green;

        border-radius: 4px;
    }

    input:focus:invalid {

        background: url("invalid.png") right;

        background-repeat: no-repeat;

        background-origin: content-box;

        background-color: white;

        border: 2px solid red;

        border-radius: 4px;
    }
```

```
input[type=submit] {

    width: 40%;

    background: none;

    background-color: rgb(255, 71, 45);

    text-align:center;

    color: white;

    padding: 14px 20px;

    margin: 8px 0;

    border: none;

    border-radius: 4px;

    cursor: pointer;
}
```

```
div {
    border-radius: 15px 50px 30px 5px;
    background-color: #f2f2f2;
    margin: 0px 0px 0px 350px;
    padding: 20px;
    width: 50%;
    box-shadow: 1px 1px 5px #888888;
}
</style>
</head>

<body>
<div id="form"><center>

<h1 style="border:1px solid red;border-radius: 12px;background-color:rgb(255, 71, 45) ;color: white;
width:80%; ">HTML and CSS Form Validation</h1>

<form name="alphaTest" method="post" action="http://someserver.com/login/pl" onsubmit="return
hello(this)">

    <input type="text" name="username" pattern="[A-Za-z]{3,10}" title="Username should be 3-10 letters
only" required placeholder="Username" ><br>

    <input type="password" name="password" pattern="[A-Za-z]{3,10}" title="Password should be 3-10
letters only" required placeholder="Password"><br>

    <input type="email" name="emailid" required placeholder="Email ID"><br>

    <input type="text" name="mobno" pattern="[0-9]{10}" title="Mobile number should be 10 digits"
required placeholder="Mobile Number"><br>

    <input type="url" required placeholder="Web Address"><br>
```

```
<input type="submit" value="Sign In"><br>
</form>
</div>

</body>
</html>
```

### OUTPUT:

The screenshot shows a web browser window with a single tab titled 'a1.html'. The address bar shows the file path 'file:///C:/Users/vinay/Desktop/html/a1/a1.html'. The page content is a form titled 'HTML and CSS Form Validation' in a red rounded rectangle. Below the title are five input fields, each with a validation icon on the right: a green checkmark for 'vinay', a red exclamation mark for the password field (masked with dots), a red asterisk for 'vinayreddy', a green checkmark for '9949143111', and a red asterisk for 'Web Address'. At the bottom of the form is a red 'Sign In' button.