**WEB TECHNOLOGIES LAB**

| Name | M.SRIRAM VIVEK | Roll No | 23R21A05W6 | Date | 25/2/25 |
| --- | --- | --- | --- | --- | --- |
| Lab Name | Skill development | Week No. | 4 | Week Name | Validation using Java Script |

| 1 | Write a HTML program for validation of the email input field in the registration form using Java Script. |
| --- | --- |

**PROGRAM CODE**

<!DOCTYPE html>

<html>

<head>

<title>PERSONAL FINANCE TRACKER</title>

<link rel="stylesheet" hrefs="colors.css">

</head>

<body><center>

<h2 style="font-size:20px;color:Maroon">REGISTER</h2><hr><hr>

<form name=myfrom onsubmit=valid()>

<table>

<tr><td><label class="redtext">firstname:</label></td>

<td><input type="text" id="firstname" name="firstname"></td></tr>

<tr><td><label class="red">lastname:</label></td>

<td><input type="text" id="lastname"name="lastname"></td></tr>

<tr><td><label class="text">age:</label></td>

<td ><input type="numeric" id="age" name="age"></td></tr>

<tr><td><label class="rext">mobile:</label></td>

<td ><input type="numeric" id="mobile" name="mobile"></td></tr>

<tr><td><label class="redte">email:</label></td>

<td ><input type="email" id="email" name="email"></td></tr>

<tr><td><label class="rete">password:</label></td>

<td ><input type="password" id="password" name="password"></td></tr>

<tr><td><label class="et">streetaddress:</label></td>

<td ><input type="text" id="streetaddress" name="streetaddress"></td></tr>

<tr><td><label class="rt">city:</label></td>

<td ><input type="text" id="city" name="city"></td></tr>

<tr><td><label class="r">ZIP code:</label></td>

<td ><input type="numeric" id="ZIP code" name="ZIP code"></td></tr>

</table>

<button align="center" type="submit">SUBMIT</button>

</form>

<script>

function valid()

{

var a=document.getElementById("firstname").value;

var b=document.getElementById("lastname").value;

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

var d=document.getElementById("mobile").value;

var e=document.getElementById("age").value;

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

var g=document.getElementById("streetaddress").value;

var h=document.getElementById("city").value;

var i=document.getElementById("ZIPcode").value;

var mobilePattern=/^\d{10}$/;

var passwordPattern=/^(?=,\*[A-Z])(?=,\*\d)(?=,\*[@$!%\*?&])[A-Za-z\d!$!%\*?&]{8,}$/;

if(a=="")

{

alert("Enter your name");

}

document.write(a);

if(b=="")

{

alert("Enter your email");

}

document.write(b);

if(c=="")

{

alert("Enter mobile number");

}

if(!mobilePattern.test(c))

alert("Mobile number must be 10 digits.");

document.write(c);

if(d==""|d<=18)

{

alert("Enter your age&age should be above 18");l

}

document.write(d);

if(e=="")

{

alert("Enter password");

}

if(!passwordPattern.test(e))

alert("Password must be at least 8 characters long, contain at least one number, one uppercase letter, and one special character");

document.write(e);

if(f=="")

{

alert("Enter streetname");

}

document.write(f);

if(g=="")

{

alert("Enter city name");

}

document.write(g);

if(h=="")

{

alert("Enter Zip code");

}

document.write(h);

}

</script>

</center>

</body>

</html>

<style>

body

{

background-color:PaleVioletRed;

background-image:url("C:/Users/MLRIT/Desktop/23R21A05V2/4.jpg");

background-image

font-size:20px;

font-text:italic;

text-align:center;

}

label.redtext{

color:black;

}

label.text{

color:black;

}

label.rext{

color:black;

}

label.ret{

color:black;

}

#firstname{

background-color:lightyellow;

}

#lastname{

background-color:lighpink;

}

#mobilenumber{

background-color:lightyellow;

}

#email{

background-color:lightpink;

}

#age{

background-color:lightyellow;

}

#streetaddress{

background-color:lightpink;

}

#city{

background-color:lightyellow;

}

#ZIPcode{

background-color:lightpink;

}

</style>

**OUTPUT:**

