

Name: Madhuri Ramakrishnan

119A3032 TE IT (E2)

EXPERIMENT 5

Aim: Design A Form Using Html 5 To Accept Name Mobile Number, Email ,Birthday Password And Validate The Values Using Javascript.

Theory:

Form validation normally used to occur at the server, after the client had entered all the necessary data and then pressed the Submit button. If the data entered by a client was incorrect or was simply missing, the server would have to send all the data back to the client and request that the form be resubmitted with correct information. This was really a lengthy process which used to put a lot of burden on the server. JavaScript provides a way to validate form's data on the client's computer before sending it to the web server. Form validation generally performs two functions. • Basic Validation – First of all, the form must be checked to make sure all the mandatory fields are filled in. It would require just a loop through each field in the form and check for data. • Data Format Validation – Secondly, the data that is entered must be checked for correct form and value. Your code must include appropriate logic to test correctness of data.

Code:

```
<html>
  <head>
    <title>
      Form Validation
    </title>
    <script>
      function validate(){
        const reEmail = /^((^[<>()[]\]\\.,;:\s@"]+(\.[^<>()[]\]\\.,;:\s@
")+*)|(".*"))@((\[[0-9]{1,3}\. [0-9]{1,3}\. [0-9]{1,3}\. [0-9]{1,3}\)|(( [a-zA-
Z\ -0-9]+\.)+[a-zA-Z]{2,}))$ /;
        const repass = /^(?=.*{8,}$)((?=.*\d)|(?=.*\W+))(?![\.\n])(?=.*[
A-Z])(?=.*[a-z]).*$ /;
        const rembno = /^[789]\d{9}$/;
        var email = document.getElementById("email").value
        var name = document.getElementById("name").value
        var bdate = document.getElementById("bdate").value
        var mbno = document.getElementById("mbno").value
        var pass = document.getElementById("pass").value

        if(name.trim() == "")[
          alert("Please Enter Name")
        ]
        else if(email.trim() == ""){
          alert("Please Enter Email")
        }
      }
    </script>
  </head>
</html>
```

```

        else if(!reEMail.test(email)){
            alert("Invalid Email")
        }
        else if(bdate.trim() == ""){
            alert("Please Enter Birthdate")
        }
        else if(mbno.trim() == ""){
            alert("Please Enter Mobile Number")
        }
        else if(!rembno.test(mbno)){
            alert("Please Enter Valid Mobile Number")
        }
        else if(pass.trim() == ""){

            alert("Please Enter Password")
        }
        else if(!repass.test(pass)){
            alert("Password contains at least eight characters, including at least one number and includes both lower and uppercase letters and special characters")
        }
        else{
            alert("All Details Perfect")
        }
    }
</script>
</head>
<body>
    <form method="post">
        Name: <input type="text" id="name"><br>
        Email: <input type="email" id="email"><br>
        Birthday: <input type="date" id="bdate"><br>
        Mobile Number: <input type="text" id="mbno"><br>
        Password: <input type="password" id="pass"><br>
        <input type="button" onclick="validate()" value="submit">
    </form>
</body>
</html>

```

Output:

pdf to x Download x DESIS x (7) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list

Name:
Email:
Birthday:
Mobile Number:
Password:

Type here to search

pdf to x Download x DESIS x (7) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list

Name:
Email:
Birthday:
Mobile Number:
Password:

This page says
Please Enter Name

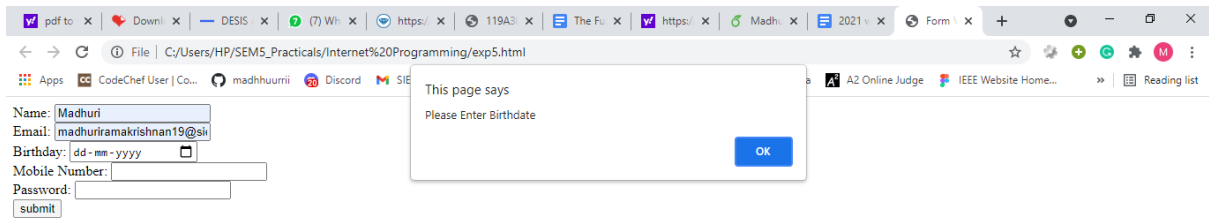
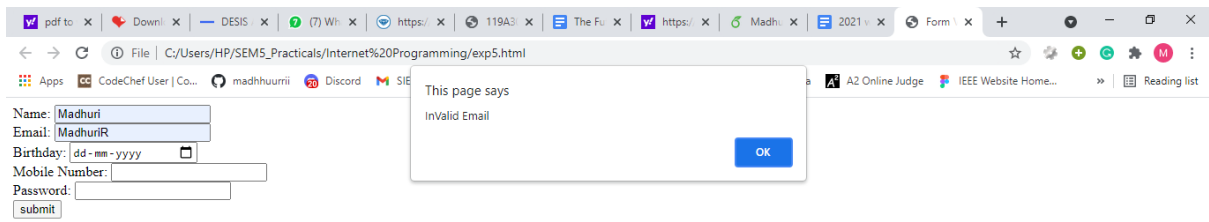
Type here to search

pdf to x Download x DESIS x (7) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list

Name:
Email:
Birthday:
Mobile Number:
Password:



pdf to x Download x DESIS x (7) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list

Name: Madhuri
Email: madhuriramakrishnan19@si
Birthday: 12-08-2021
Mobile Number: mad
Password:
submit

Type here to search

pdf to x Download x DESIS x (8) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list

Name: Madhuri
Email: madhuriramakrishnan19@si
Birthday: 12-08-2021
Mobile Number: mad
Password:
submit

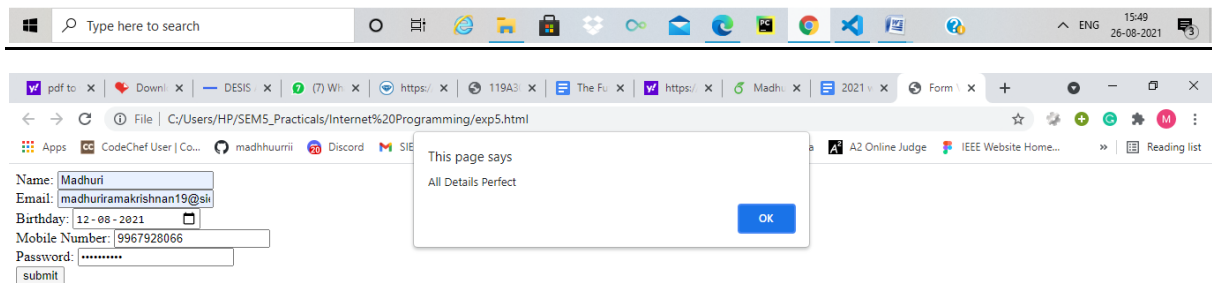
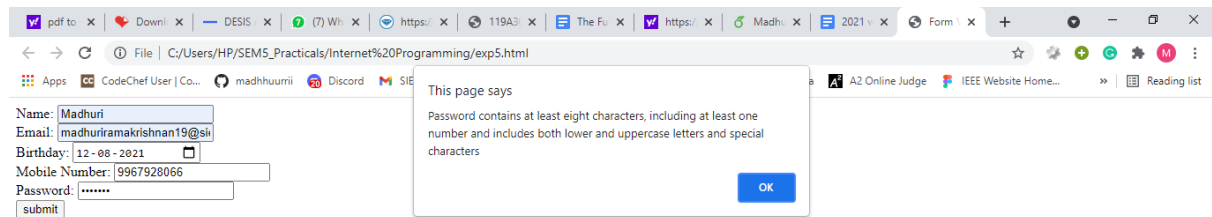
This page says
Please Enter Valid Mobile Number
OK

Type here to search

pdf to x Download x DESIS x (8) Wh x https:// x 119A3 x The Fu x https:// x Madh x 2021 x Form x

File C:/Users/HP/SEM5_Practicals/Internet%20Programming/exp5.html

Apps CodeChef User | Co... madhhuurii Discord SIES GST Mail Codeforces Conditional Statem... SIESGSTarena A2 Online Judge IEEE Website Home... Reading list



Conclusion: Hence we have successfully Designed A Form Using Html 5 To Accept Name Mobile Number, Email Birthday Password And Validate The Values Using Javascript.