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Roll No: 1911027**

**Division: A**

**Mern Batch: 1**

**Q) WAP to implement regular expression for validating student admission form also perform basic validation.**

<!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>Regex</title>

    <style>

        #namer, #lnamer, #emailer, #nums, #addr, #coder, #ager, #addh{

            background-color: red;

        }

        #final{

            background-color: yellowgreen;

        }

    </style>

</head>

<body>

    <label>First Name : </label>

    <input type="text" placeholder="Enter Name" id="name">

    <br>

    <br>

    <div id="namer"></div>

    <label>Last Name : </label>

    <input type="text" placeholder="Enter Last Name" id="lastname">

    <br>

    <br>

    <div id="lnamer"></div>

    <label>Email : </label>

    <input type="text" placeholder="Enter Email" id="email">

    <br>

    <br>

    <div id="emailer"></div>

    <label>Mobile No : </label>

    <input type="text" placeholder="Enter Mobile No" id="mobileno">

    <br>

    <br>

    <div id="nums"></div>

    <label>Address : </label>

    <input type="text" placeholder="Enter Address" id="address">

    <br>

    <br>

    <div id="addr"></div>

    <label>Pincode : </label>

    <input type="text" placeholder="Enter Pincode" id="pincode">

    <br>

    <br>

    <div id="coder"></div>

    <label>Age</label>

    <input type="text" placeholder="Enter Age" id="age">

    <br>

    <br>

    <div id="ager"></div>

    <label>Adhaar No : </label>

    <input type="text" placeholder="Enter Adhaar No : " id=adhaarno>

    <br>

    <br>

    <div id="addh" style="background-color: greenyellow;"></div>

    <button class="btn" onclick="validate()">Validate Form</button>

    <div id=final></div>

    <script>

        function validate()

        {

            var regex = /^[a-zA-Z]+$/;

            var name=document.getElementById('name').value;

            if(regex.test(name)==false)

            {

                if(name=="")

                {

                    document.getElementById('namer').innerHTML="Name can't be empty";

                }

                else

                {

                    document.getElementById('namer').innerHTML="Name can't contain numbers";

                }

            }

            var name=document.getElementById('lastname').value;

            if(regex.test(name)==false)

            {

                if(name=="")

                {

                    document.getElementById('lnamer').innerHTML="Name can't be empty";

                }

                else

                {

                    document.getElementById('lnamer').innerHTML="Name can't contain numbers";

                }

            }

            regex=/^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

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

            if(regex.test(email)==false)

            {

                if(email=="")

                {

                    document.getElementById('emailer').innerHTML="Email can't be empty";

                }

                else

                {

                    document.getElementById('emailer').innerHTML="Please enter valid email";

                }

            }

            regex=/^\d{10}$/;

            var mobno=document.getElementById('mobileno').value;

            if(regex.test(mobno)==false)

            {

                if(mobno=="")

                {

                    document.getElementById('nums').innerHTML="Mobile number can't be empty";

                }

                else

                {

                    document.getElementById('nums').innerHTML="Please enter valid mobile number";

                }

            }

            var addr=document.getElementById('address').value;

            if(addr=="")

            {

                document.getElementById('addr').innerHTML="Address can't be empty";

            }

            var pin=document.getElementById('pincode').value;

            regex=/^\d{6}$/;

            if(regex.test(pin)==false)

            {

                if(pin=="")

                {

                    document.getElementById('coder').innerHTML="Pincode can't be empty";

                }

                else

                {

                    document.getElementById('coder').innerHTML="Please enter valid Pincode";

                }

            }

            var age=document.getElementById('age').value;

            regex=/^\d+$/;

            if(regex.test(age)==false)

            {

                if(age=="")

                {

                    document.getElementById('ager').innerHTML="Age can't be empty";

                }

                else

                {

                    document.getElementById('ager').innerHTML="Please enter valid Age";

                }

            }

            var adh=document.getElementById('adhaarno').value;

            regex=/^\d{12}$/;

            if(regex.test(adh)==false)

            {

                if(adh=="")

                {

                    document.getElementById('addh').innerHTML="Adhaar Number can't be empty";

                }

                else

                {

                    document.getElementById('addh').innerHTML="Please enter valid Adhaar number";

                }

            }

            document.getElementById('final').innerHTML="Form validated and your information saved successfully"

        }

    </script>

</body>

</html>