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Roll No.: 201903030(27)
Subject: Internet Programming

Experiment No.5

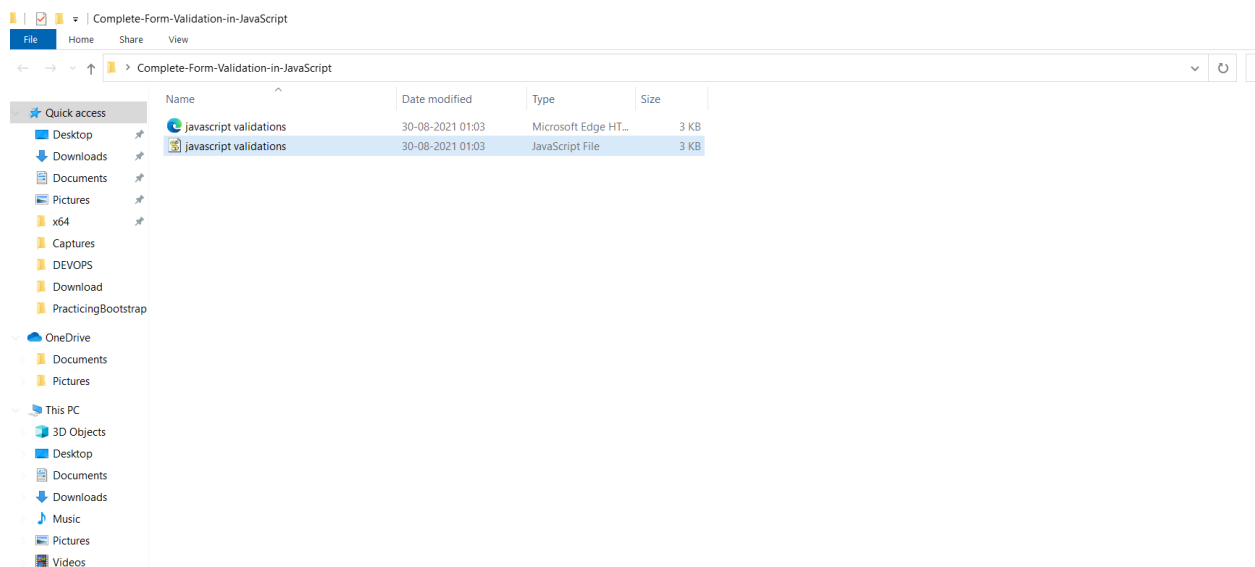
Aim: Write a program in JS to validate Registration Form including email validation.

Tools and Languages: HTML, JavaScript and VS-CODE.

Theory:

CODE:

File Directory:



1. javascript validations.html:

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" type="text/css" media="screen" href="main.css"
/>
```

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```
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.cs
s">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></s
cript>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.mi
n.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js">
</script>
</head>
<body>
    <div class="container"><br>
        <h1 class="text-success text-center">Complete Form Validation In
Javascript</h1><br>
        <div class="col-lg-8 m-auto d-block">
            <form action="#" onsubmit="return validation()" class="bg-light">
                <div class="form-group">
                    <label> Username: </label>
                    <input type="text" name="user" class="form-control"
id="user" autocomplete="off">
                    <span id="username" class="text-danger
font-weight-bold"></span>
                </div>

                <div class="form-group">
                    <label> Password: </label>
                    <input type="password" name="pass" class="form-control"
id="pass" autocomplete="off">
                    <span id="passwords" class="text-danger
font-weight-bold"></span>
                </div>

                <div class="form-group">
                    <label> Confirm Password: </label>
                    <input type="password" name="conpass" class="form-control"
id="conpass" autocomplete="off">
```

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```
        <span id="confirmpass" class="text-danger
font-weight-bold"></span>
    </div>

    <div class="form-group">
        <label> Moblie Number: </label>
        <input type="text" name="mobile" class="form-control"
id="mobileNumber" autocomplete="off">
        <span id="mobilenno" class="text-danger
font-weight-bold"></span>
    </div>

    <div class="form-group">
        <label> Email: </label>
        <input type="text" name="email" class="form-control"
id="emails" autocomplete="off">
        <span id="emailids" class="text-danger
font-weight-bold"></span>
    </div>

    <input type="submit" name="submit" value="submit" class="btn
btn-success" autocomplete="off">

</form>

</div>
</div>
</body>
    <script src="javascript validations.js"></script>
</html>
```

2. javascript validations.js:

```
function validation(){
    var user = document.getElementById('user').value;
    var pass = document.getElementById('pass').value;
    var confirmpass = document.getElementById('conpass').value;
    var mobileNumber = document.getElementById('mobileNumber').value;
    var emails = document.getElementById('emails').value;

    if(user == ""){
```

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```
        document.getElementById('username').innerHTML = " ** Please fill  
the username field";  
        return false;  
    }  
  
    if((user.length <= 3) || (user.length > 20)){  
        document.getElementById('username').innerHTML = " ** User length must  
be between 2 and 20";  
        return false;  
    }  
  
    if(!isNaN(user)){  
        document.getElementById('username').innerHTML = " ** Only characters  
are allowed";  
        return false;  
    }  
  
    if(pass == ""){  
        document.getElementById('passwords').innerHTML = " ** Please fill  
the password field";  
        return false;  
    }  
  
    if((pass.length <= 5) || (pass.length > 20)){  
        document.getElementById('passwords').innerHTML = " ** password  
length must be between 5 and 20";  
        return false;  
    }  
  
    if(pass != confirmpass){  
        document.getElementById('confirmpass').innerHTML = " ** password are  
not matching";  
        return false;  
    }  
  
    if(confirmpass == ""){  
        document.getElementById('confirmpass').innerHTML = " ** Please fill  
the confirmpassword field";  
        return false;  
    }
```

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```
}

    if(mobileNumber == ""){
        document.getElementById('mobilen0').innerHTML = " ** Please fill the
mobile Number field";
        return false;
    }

    if(isNaN(mobileNumber)){
        document.getElementById('mobilen0').innerHTML = " ** user must write
digits only not characters";
        return false;
    }

    if(mobileNumber.length != 10){
        document.getElementById('mobilen0').innerHTML = " ** Mobile Number
must be 10 digits only";
        return false;
    }

    if(emails == ""){
        document.getElementById('emailids').innerHTML = " ** Please fill the
email idx` field";
        return false;
    }

    if(emails.indexOf('@') <= 0){
        document.getElementById('emailids').innerHTML = " ** @ Invalid
Position";
        return false;
    }

    if((emails.charAt(emails.length-4) != '.') &&
(emails.charAt(emails.length-3) != '.')){
        document.getElementById('emailids').innerHTML = " ** . Invalid
Position";
        return false;
    }
}
```

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```
}
```

OUTPUT:

Complete Form Validation In Javascript

Username:	<input type="text"/>
Password:	<input type="password"/>
Confirm Password:	<input type="password"/>
Mobile Number:	<input type="text"/>
Email:	<input type="text"/>
<input type="button" value="submit"/>	

Complete Form Validation In Javascript

Username:	<input type="text" value="krishna"/>	** Please fill the username field
Password:	<input type="password" value="*****"/>	
Confirm Password:	<input type="password" value="*****"/>	** password are not matching
Mobile Number:	<input type="text" value="9967415"/>	** Mobile Number must be 10 digits only
Email:	<input type="text" value="krishna@gmail.com"/>	** @ Invalid Position
<input type="button" value="submit"/>		

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Conclusion: In this experiment I learned to Design / create website using HTML and Javascript to validate Registration Form including email validation.