**WEEK-7(a)**

**AIM*: Adding Validations to HTML forms***

**THEORY:**

***7.1: JavaScript Form Validation***

HTML form validation can be done by JavaScript.

If a form field (fname) is empty, this function alerts a message, and returns false, to prevent the form from being submitted.

***7.2: Automatic HTML validations***

HTML form validation can be performed automatically by the browser:

If a form field (fname) is empty, the required attribute prevents this form from being submitted. Automatic HTML form validation does not work in Internet Explorer 9 or earlier.

**SOURCE CODE:**

**Signup.html:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title> Form-Contact </title>

<link href="style.css" rel="stylesheet" type="text/css"/>

<script src="js/scripts.js"></script>

</head>

<body>

<div class="header">

<div class="inner-header">

<div class="logo">

<a href="#about">Tanmay Sharma</a>

</div>

<div class="header-link">

<a href="form.html">Contact.</a>

</div>

<div class="header-link">

<a href="#achievement">Achievements</a>

</div>

<div class="header-link">

<a href="#comp">Competencies</a>

</div>

<div class="header-link">

<a href="#about">About Me</a>

</div>

<div class="header-link">

<a href="#h">Home</a>

</div>

</div>

</div>

<br><br><br>

<div class="contacts">

<center style="vertical-align: center;">

<br>

<b><h1 style="color: blue;">Contact info</h1></b>

<form id="myForm" class="form" action="conf.jsp" method="post">

<div class="form-group">

<input type="text" name="firstname" id="firstname" class="form-control" placeholder="First Name">

</div>

<div class="form-group">

<input type="text" name="lastname" id="lastname" class="form-control" placeholder="Last Name">

</div>

<div class="form-group">

<input type="Email" name="email" id="email" class="form-control" placeholder=" Email Id">

</div>

<div class="form-group">

<input type="text" name="contact" id="contact" class="form-control" placeholder=" Contact">

</div>

<center><button type="submit" class="btn btn-primary" name="submit">Submit</button></center>

</form>

</center>

</div>

<footer style="position: absolute; bottom: 0; width: 100%;">

<div>

<center>

<p>

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</p>

</center>

</div>

</footer>

<script>

var stre = document.forms["myForm"]["email"].value;

if (!(stre.match(/^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/))) {

alert("Invalid email-id");

return false;

}

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

if(strp.length>5){

if (!(strp.match(/(?=.\*\d)(?=.\*[a-z])(?=.\*[A-Z]).{6,}/))) {

alert("Password must contain\none uppercase\none lowercase\none number");

return false;

}

}

else{

alert("password must be atleast 6 character long");

return false;

}

}

</script>

</body>

</html>