**Department of Information Technology**

**Academic Year: 2022-23 Name of Student:**

**Semester: V Student ID:**

**Class / Branch/ Div: TE- IT B Roll No.**

**Subject: IP Lab Date of Submission:**

**Name of Instructor: YP/RS/SA**

**Experiment No.:6**

**Aim:** Write a program to apply validations to Registration Form.

**Software Used:** Visual Studio Code or Sublime Editor

**Program:**

<!DOCTYPE html>

<html>

<head>

<title>Form in HTML</title>

<style>

body{

background-color: lightblue;

}

.ff{

background-color: darkgrey;

font-family:Georgia, 'Times New Roman', Times, serif;

font-size: 20px;

}

</style>

<script>

function val()

{

let sname=document.forms["f1"]["sname"].value;

let email=document.f1.email.value;

let pwd=document.f1.pwd.value;

let cpwd=document.f1.cpwd.value;

let gen =document.f1.gender.value;

if(!(isNaN(sname))){

alert("enter only characters for sname");

document.f1.sname.focus();

return false;

}

if(pwd.length<8||cpwd.length<8){

alert("password must be minimum 8 in length");

document.f1.pwd.focus();

return false;

}

if(pwd!=cpwd){

alert("password mismatch")

document.f1.pwd.focus();

return false;

}

let i;

for(i=0;i<3;i++)

{

if((gender[i].checked))

{

return true

}

else

{

alert("please choose gender");

document.reg.gender.focus();

return false;

}

}

}

</script>

</head>

<body align="center">

<h2>Registration form</h2>

<form method="get" name="f1" class="ff">

<fieldset>

<legend>User personal information</legend>

<label>Enter your full name</label><br>

<input type="text" name="sname" onfocus="true" required><br>

<label>Enter your email</label><br>

<input type="email" name="email" onfocus="true" required><br>

<label>Enter your password</label><br>

<input type="password" name="pwd" required><br>

<label>confirm your password</label><br>

<input type="password" name="cpwd" required><br>

<br><label>Enter your gender</label><br>

<input type="radio" id="gender" name="gender" value="male"/>Male <br>

<input type="radio" id="gender" name="gender" value="female"/>Female <br/>

<input type="radio" id="gender" name="gender" value="others"/>others <br/>

<br>Enter your Address:<br>

<textarea></textarea><br>

<input type="submit" value="SUBMIT" onclick="val()" >

</fieldset>

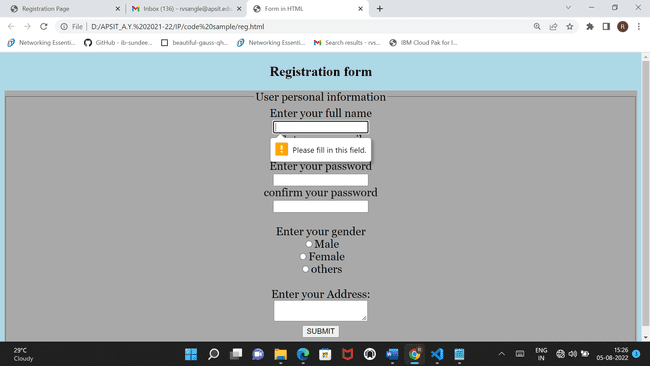
</form>

</body>

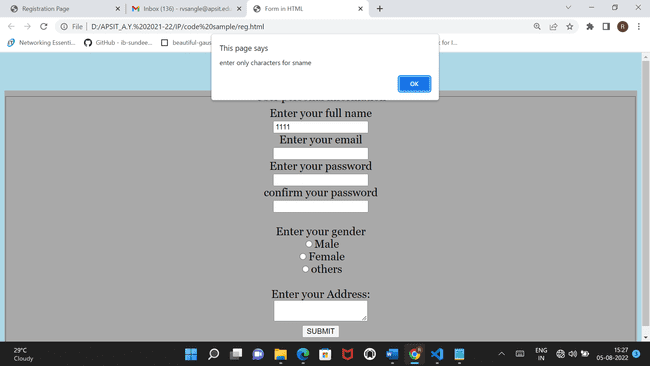
</html>

**Output:**

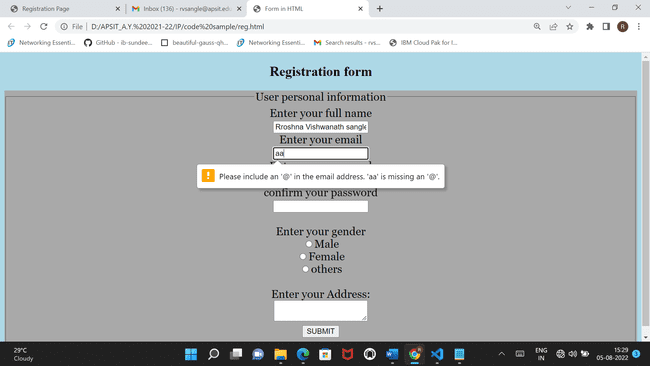
1. **Full name field validation: field is required.**



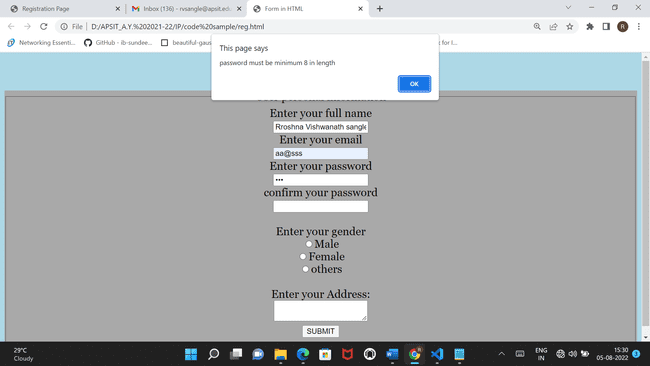
1. **Full name field validation: fname must be character only**



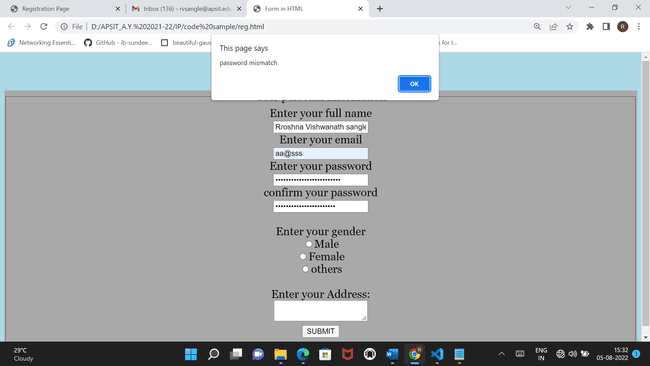
1. **Email field validation: email must contain @ symbol**



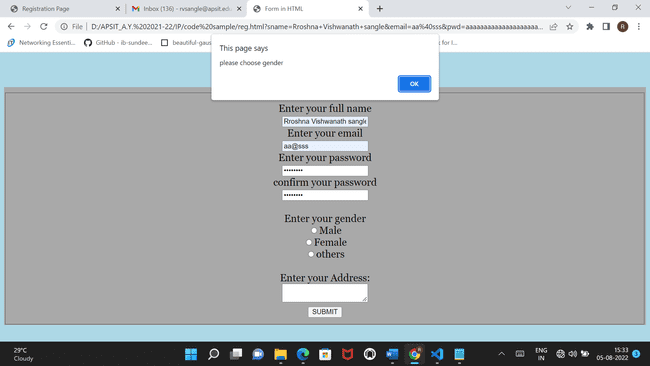
1. **Password field validation: password minimum of length 8**



1. **Password & confirmed password field validation: password & Confirm password must be same**



1. **Radio button field validation: atleast one of radio option must be selected.**



**Conclusion:** Thus we have studied syntax for ECMAScript (JavaScript) and implemented various validation on different fields of form like Name (textbox), Email, Password & radio button for gender on student Registration form.