**Sop2.1**

**Sop2-1.html**

<!DOCTYPE html>

<html>

<head>

<title>Form Validation</title>

</head>

<body>

<h1>Information Form</h1>

<form name="myForm" onsubmit="return validateForm()">

<label for="txt\_name">Your Name</label>

<input type="text" id="txt\_name" name="txt\_name" required>

<br><br>

<label for="txt\_address">Address</label>

<textarea id="txt\_address" name="txt\_address" placeholder="Permanent Address" onfocus="this.placeholder=''" onkeypress="this.placeholder=''" required></textarea>

<br><br>

<label for="telephone">Contact</label>

<input type="tel" id="telephone" name="telephone" maxlength="10" required>

<br><br>

<label for="txt\_email">Email</label>

<input type="email" id="txt\_email" name="txt\_email" pattern="[a-zA-Z0-9.\_%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}" required>

<br><br>

<input type="submit" value="Submit">

</form>

<script>

function validateForm() {

// Validate name, address, contact, and email fields

var name = document.forms["myForm"]["txt\_name"].value;

var address = document.forms["myForm"]["txt\_address"].value;

var contact = document.forms["myForm"]["telephone"].value;

var email = document.forms["myForm"]["txt\_email"].value;

if (name == "") {

alert("Name must be filled out");

return false;

}

if (address == "") {

alert("Address must be filled out");

return false;

}

if (contact == "") {

alert("Contact number must be filled out");

return false;

}

if (contact.length !== 10) {

alert("Contact number must be a 10-digit number");

return false;

}

if (email == "") {

alert("Email must be filled out");

return false;

}

return true;

}

</script>

</body>

</html>

**output**

