	Sakshi Anil Fokane (TE-AMANY) Assignment No:-4
1	Time: - HTML, Jana Sveipt
	Objective :-  1) Understand about basic concepts of  Taua Script:  2) Use Jaua Script for validation of
-	Problem Statement:
	white a program to design registration on form for students by using HTML, CSS & Java Script & perform following Validation all fields Mandatory phone number email adoress validation
	Outcome: - Student will be able to  1) design static meb page using HTML  2) Apply Tana Script to HTML pages  For varidation of data.
	Software - Notepad Any browser.
	Theory Concepts:- Java Swipt is a programming lang- uage of HTML as well as . It is preferred for weating network: confine application. It is integrated
A CONTRACTOR	& complimentary with Jana : As

	CONTRACTOR CONTRACTOR (RATIONAL CONTRACTOR)
J	auaseriet is integrated with
i	mplement. It is open as well
C	u cross platform
1	he advantage of Using Janasvip
	It requires less server interaction Immediate fredback to the
	Thereased interactivity
	Richer linterfaces
	Validation:
anilita	when when enters the call never by data & press the Submit
BE AN ADDRESS OF THE PARTY OF T	urton from voui dation is done it server side if data entered by
MIHADIL	the Server needs to sendal
	date back to the whent & request for resubmission of
	form with correct information
THE RESERVE OF THE PERSON OF T	Basic Validation: First of all the form must be checked to make
Serge! 1	Sure all the mandatory field are
3000	Med in Java Format Validation, Secondly
1 to be to be	hecked for coverect format & is

	Page No.
	value
1	The state of the s
V-	Technology (Tools:-
V_	Jana Script canube implemented
<b>\</b>	using Janaswipt Statement Hat
	over placed within the Ksoupt)
7	Galacia han tourston and
1	The Swipt tag takes two important attributes:
OTO	· language : This attribute specifies
100	What Soupting language you are
40 14	using:
Jan de	Type:- This attribute is what is now
91	de commended to indicate the
SECTION 1	soupting language inuse & et
Magazi.	voule schould be set to text!
MARKET TO	Janasveigt".
1 TH	Test Cases:
Maraya	Manual testing is used to wock follo-
51	ming validation. An the field like
-	Fulklame, class, Department, Addr.
-	ess phone no. & email id are
	mandatory field.
-	Phone no should be no only.
1000	The true of true of the true o
1	Conclusion:
CONT.	Henre, me applied validate the
	data using Jama Script.
	Soonnad by Tan Soon

Name: Fokane Sakshi A

Roll No: 42

Assignment No: 4

Write a program to design a registration form for students by using html, css & javascript and perform following validation: all fields are mandatory, phone number and email address validation.

```
File 1 validation.html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>JavaScript Form validation</title>
<link rel="stylesheet" href="C:/Users/sandi/Desktop/wt4.css">
<script>
// Defining a function to display error message
function printError(elemId, hintMsg) {
  document.getElementById(elemId).innerHTML = hintMsg;
}
// Defining a function to validate form
function validateForm() {
 // Retrieving the values of form elements
  var name = document.contactForm.name.value;
  var email = document.contactForm.email.value;
  var mobile = document.contactForm.mobile.value;
  var country = document.contactForm.country.value;
  var gender = document.contactForm.gender.value;
  var hobbies = [];
  var checkboxes = document.getElementsByName("hobbies[]");
  for(var i=0; i < checkboxes.length; i++) {</pre>
    if(checkboxes[i].checked) {
      // Populate hobbies array with selected values
```

```
hobbies.push(checkboxes[i].value);
  }
}
      // Defining error variables with a default value
var nameErr = emailErr = mobileErr = countryErr = genderErr = true;
// Validate name
if(name == "") {
  printError("nameErr", "Please enter your name");
} else {
  var regex = /^[a-zA-Z\s]+$/;
  if(regex.test(name) === false) {
    printError("nameErr", "Please enter a valid name");
  } else {
    printError("nameErr", "");
    nameErr = false;
  }
}
// Validate email address
if(email == "") {
  printError("emailErr", "Please enter your email address");
} else {
  // Regular expression for basic email validation
  var regex = /^\S+@\S+\.\S+$/;
  if(regex.test(email) === false) {
    printError("emailErr", "Please enter a valid email address");
  } else{
    printError("emailErr", "");
    emailErr = false;
```

```
}
}
// Validate mobile number
if(mobile == "") {
  printError("mobileErr", "Please enter your mobile number");
} else {
  var regex = /^[1-9]\d{9};
  if(regex.test(mobile) === false) {
    printError("mobileErr", "Please enter a valid 10 digit mobile number");
  } else{
    printError("mobileErr", "");
    mobileErr = false;
  }
}
// Validate country
if(country == "Select") {
  printError("countryErr", "Please select your country");
} else {
  printError("countryErr", "");
  countryErr = false;
}
// Validate gender
if(gender == "") {
  printError("genderErr", "Please select your gender");
} else {
  printError("genderErr", "");
  genderErr = false;
}
```

```
// Prevent the form from being submitted if there are any errors
  if((nameErr | emailErr | mobileErr | countryErr | genderErr) == true) {
   return false;
  } else {
    // Creating a string from input data for preview
    var dataPreview = "You've entered the following details: \n" +
              "Full Name: " + name + "\n" +
              "Email Address: " + email + "\n" +
              "Mobile Number: " + mobile + "\n" +
              "Country: " + country + "\n" +
              "Gender: " + gender + "\n";
    if(hobbies.length) {
      dataPreview += "Hobbies: " + hobbies.join(", ");
    }
    // Display input data in a dialog box before submitting the form
    alert(dataPreview);
  }
};
</script>
</head>
<body>
<form name="contactForm" onsubmit="return validateForm()"
action="/examples/actions/confirmation.php" method="post">
  <h2>Application Form</h2>
  <div class="row">
    <label>Full Name</label>
    <input type="text" name="name">
    <div class="error" id="nameErr"></div>
  </div>
  <div class="row">
    <label>Email Address</label>
```

```
<input type="text" name="email">
  <div class="error" id="emailErr"></div>
</div>
<div class="row">
  <label>Mobile Number</label>
  <input type="text" name="mobile" maxlength="10">
  <div class="error" id="mobileErr"></div>
</div>
<div class="row">
  <label>Country</label>
  <select name="country">
    <option>Select</option>
    <option>Australia
    <option>India
    <option>United States
    <option>United Kingdom
  </select>
  <div class="error" id="countryErr"></div>
</div>
<div class="row">
  <label>Gender</label>
  <div class="form-inline">
    <label><input type="radio" name="gender" value="male"> Male</label>
    <label><input type="radio" name="gender" value="female"> Female</label>
  </div>
  <div class="error" id="genderErr"></div>
</div>
<div class="row">
  <label>Hobbies <i>(Optional)</i></label>
  <div class="form-inline">
    <label><input type="checkbox" name="hobbies[]" value="sports"> Sports</label>
```

```
<label><input type="checkbox" name="hobbies[]" value="movies"> Movies</label>
      <label><input type="checkbox" name="hobbies[]" value="music"> Music</label>
    </div>
  </div>
  <div class="row">
    <input type="submit" value="Submit">
  </div>
</form>
</body>
</html>
File 2 – wt4.css
body {
 font-size: 16px;
  background: #f9f9f9;
 font-family: "Segoe UI", "Helvetica Neue", Arial, sans-serif;
}
h2 {
  text-align: center;
  text-decoration: underline;
}
form {
  width: 300px;
  background: #fff;
  padding: 15px 40px 40px;
  border: 1px solid #ccc;
  margin: 50px auto 0;
  border-radius: 5px;
}
```

```
label {
  display: block;
  margin-bottom: 5px
}
label i {
  color: #999;
  font-size: 80%;
}
input, select {
  border: 1px solid #ccc;
  padding: 10px;
  display: block;
  width: 100%;
  box-sizing: border-box;
  border-radius: 2px;
}
.row {
  padding-bottom: 10px;
}
.form-inline {
  border: 1px solid #ccc;
  padding: 8px 10px 4px;
  border-radius: 2px;
}
.form-inline label, .form-inline input \{
  display: inline-block;
  width: auto;
  padding-right: 15px;
}
.error {
  color: red;
```

```
font-size: 90%;
}
input[type="submit"] {
  font-size: 110%;
  font-weight: 100;
  background: #006dcc;
  border-color: #016BC1;
  box-shadow: 0 3px 0 #0165b6;
  color: #fff;
  margin-top: 10px;
  cursor: pointer;
}
input[type="submit"]:hover {
  background: #0165b6;
}
```

## **OUTPUT**

