

# 1. JavaScript Forms Validation

- Forms validation is important things other wise user input wrong data, so we need to validate given data by user before submit it on server.
- The JavaScript provides the facility to validate the form on the client side so processing will be fast than server-side validation. So, most of the web developers prefer client side form validation using JavaScript.
- Here i will show you how to validate any input field like user name can not be blank. In below example input are can not be blank.

Example :

```
<html>
<head>
<script>
function form_validation(){
var name=document.myform.name.value;

//var x = document.forms["myform"]["name"].value;

if (name==null || name==""){
    alert("Name can't be blank");
    return false;
}
}
</script>
</head>

<body>
<form      name="myform"      method="post"
action="register.php"      onsubmit="return
form_validation()" >
Name: <input type="text" name="name">
```

```
<input type="submit" value="submit">
</form>
</body>
</html>
```

## 2.Email validation

- We can validate the email with the help of JavaScript. Here we check the condition related to any email id, like email id must have "@" and "." sign and also email id must be at least 10 character.
- There are many criteria that need to be follow to validate the email id such as:
  - i). email id must contain the @ and . character
  - ii). There must be at least one character before and after the @.
  - iii). There must be at least two characters after . (dot).

### Example :

```
<html>
<head>
<script>
function email_validation()
{
var x=document.myform.email.value;
var atposition=x.indexOf("@");
var dotposition=x.lastIndexOf(".");
if (atposition<1 || dotposition<atposition+2 ||
dotposition+2>=x.length){
    alert("Please enter a valid e-mail address \n
atpostion:"+atposition+"\n dotposition:"+dotposition);
    return false;
}
}
</script>
</script>
```

```
</head>
<body>
<form name="myform" method="post" action="#" onsubmit="return
email_validation();">
Email: <input type="text" name="email"><br/>
<input type="submit" value="register">
</form>
</body>
</html>
```

### 3.JavaScript Password Validation

- Here i will show you how to validate any password field like password field can not be blank and length of password is minimum 8 character.

Example :

```
<html>
<head>
<script>
function pass_validation()
{
var password=document.myform.password.value;

if (password==null || password=="")
{
alert("password can't be blank");
return false;
}
else if(password.length<8)
{
alert("Password must be at least 8 characters long.");
return false;
```

```

    }
}

</script>
</head>
<body>
<form name="myform" method="post" action="register.php"
onsubmit="return pass_validation()" >
Password: <input type="password" name="password">
<input type="submit" value="submit">
</form>
</body>
</html>

```

## 4.Re-type Password Validation

- Used to check the retype password

Example :

```

<html>
<head>
<script>
function pass_validation()
{
var firstpassword=document.f1.password1.value;
var secondpassword=document.f1.password2.value;

if(firstpassword==secondpassword){
return true;
}
else{
alert("password one and two must be same!");
return false;
}
}

```

```
    }  
    }  
</script>  
</head>  
  
<body>  
  <form  name="f1"  action="/JavaScript/Index"  onsubmit="return  
pass_validation()">  
    Password:<input type="password" name="password1" /><br/>  
    Re-enter Password:<input type="password"  
name="password2"/><br/>  
    <input type="submit">  
  </form>  
</body>  
</html>
```