Form validation using JS

Aim :

To validate an application form using Javascript.

Procedure :

Step 1: Open any one of the text editor.

Step 2: create a HTML file named as index.html

Step 3: Include all necessary tags includes html, head, script & body.

Step 4: Write a JS function to validate all form input fields.

Step 5: Call the JS function and return the result.

Step 6: Run the HTML file using web browser.

Application code
index.html

```
<html>
<head> <script>
function validate ()
{

    errors = [ ];
    var n = document.myform.uname.value;
    var a = document.myform.addr.value;
    var e = document.myform.email.value;
    var pn = document.myform.phone.value;
```

```
var p = document.myform.pwd.value;
var cp = document.myform.cpwd.value;
var atpos = e.indexof("@");
var dotpos = e.lastIndexOf(".");
var phoneno = /^\d{10}$/;
Var status = true;
if (n == " ")
{
    errors.push("Name is empty");
    document.getElementById("name").
        innerHTML = "<img src="uncheck.gif"
            width='20' height='20'/>";
}

else
{
    if (n != " ")
    {
        var r = new Array("0", "1", "2", "3", "4",
                    "5", "6", "7", "8", "9");
        var len = r.length;
        for(i=0; i<len; i++)
        {
            if(n.match(r[i]))
            {
                errors.push("Invalid name, numbers
                    are not allowed");
                document.getElementById("name").
                    innerHTML = "<img src='uncheck.gif>":
                break;
```

```
                }
            }
        }

    else {
        document.getElementById("name").
                innerHTML="<img src='check.gif'
                    width='20' height='20'/>";
    }

    if (a==" ")
    {
        errors.push("Address is empty");
        document.getElementbyID("address").
            innerHTML = "<img src='check.gif'/>";
    }

    else
    {  document.getElementbyID("address").
                innerHTML="<img src='check.gif'/>
    }

    if (e==" ")
    {
        errors.push("E-mail is empty");
        document.getElementbyID("email").
            innerHTML= "<img src='uncheck.gif'/>";
    }

    else
    {
        if(atpos<1 || atpos+2 >dotpos || e.
                    length <= dotpos+2)
```

```
{
    errors.push ("Invalid E-mail address");
    document.getElementbyID("email").
        innerHTML ="<img src= 'uncheck.gif'/>";
}
else
{   document.getElementById ("email").
        innerHTML ="<img src='check.gif'/>";
}

if (ph=="")
{
    errors.push ("contact number is empty");
    document.getElementbyId("no").innerHTML
        ="<img src='uncheck.gif'/>";
}

else
{
    if (!pn.match(phoneno))
    {
        errors.push ("Invalid contact number");
        document.getElementbyId ("no").innerHTML
            = "<img src="uncheck.gif'/>";
    }
    else
    {   document.getElementbyId ("no").innerHTML
            ="<img src="check.gif'>;
    }
}
```

```javascript
if (p=="  " && cp!= " ")
{
    errors.push("Password is empty");
    document.getElementById("pd").
        innerHTML = "<img src="uncheck.gif"/>";
} else {
    document.getElementById("pd").innerHTML
        = "<img src="check.gif"/>";
}

if (cp=="  " && p!=" ")
{
    errors.push("confirm password is
empty");
    document.getElementById("cpd").
        innerHTML="<img src='uncheck.gif'/>";
}
else { document.getElementById("cpd").
        innerHTML = "<img src='check.gif'/>";
}
if (errors.length >0)
{
        var msg= "ERRORS :\n\n";
    for (i=0; i<errors.length; i++)
    {
        msg += error[i] + `\n`;
    }
    window.alert(msg);
    return status = false;
}
```

Output:

Name :   [_____]

Address :   [_____]

E-mail :   [_____]

Contact-No: [_____]

Password :   [_____]

Confirm password: [_____]

                    [submit]   [Reset]

This page says
_____
ERRORS:

Name is empty
Address is empty
E-mail is empty
Passwords are empty

                                    [ok]

```
</script>
<form name="myform" action="next.html"
         onsubmit="return validate(this)">
<div> <pre>
    NAME : <input type="text" size="55"
              name="uname"> <br>
    ADDRESS : <input type="text" size="100"
              name="address"><br>
    E-MAIL : <input type="email" size="50"
              name="email"><br>
    CONTACT NO:<input type="text" Size="100"
              name="contact"><br>
    PASSWORD : <input type="password" size="50"
              name="password"><br>
    CONFIRM PASSWORD : <input type="password">
<input type="Submit" value="submit">
</div>
</form>
</body></html>
```

	Mark	sign
Preparation		
Observation		
Result		
Viva		
Record		

Result :- Thus the form validation using Javascript was written & executed successfully.