



Web Technology (KCS-602)

Unit 3

Forms, Statements

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JavaScript Form Validation

- JavaScript can be used to validate data in HTML forms before sending off the content to a server.
- Form data that typically are checked by a JavaScript could be:
 - has the user left required fields empty?
 - has the user entered a valid e-mail address?
 - has the user entered a valid date?
 - has the user entered text in a numeric field?

```
function validateForm() {  
    let x =  
document.forms["myForm"]["fname"].value;  
    if (x == "") {  
        alert("Name must be filled out");  
        return false;  
    }  
}
```

E-mail Validation

- The function below checks if the content has the general syntax of an email.
- This means that the input data must contain an @ sign and at least one dot (.). Also, the @ must not be the first character of the email address, and the last dot must be present after the @ sign, and minimum 2 characters before the end.

JavaScript email validation

- email id must contain the @ and . character
- There must be at least one character before and after the @.
- There must be at least two characters after . (dot).

```
function validateemail()  
{  
  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 ");  
    return false;  
  }  
}
```

JavaScript form validation example

```
<script>
```

```
function validateform(){  
  var name=document.myform.name.value;  
  var password=document.myform.password.value;  
  
  if (name==null || name==""){  
    alert("Name can't be blank");  
    return false;  
  }else if(password.length<6){  
    alert("Password must be at least 6 characters long.");  
    return false;  
  }  
}  
</script>
```

```
<form name="myForm" action="action_page.jsp"  
  onsubmit="return  
validateForm()" method="post">  
Name: <input type="text" name="fname">  
<input type="submit" value="Submit">  
</form>
```



```
<script>
function myFunction() {
    // Get the value of the input field with id="numb"
    let x = document.getElementById("numb").value;
    // If x is Not a Number or less than one or greater than 10
    let text;
    if (isNaN(x) || x < 1 || x > 10) {
        text = "Input not valid";
    } else {
        text = "Input OK";
    }
    document.getElementById("demo").innerHTML = text;
}
</script>
```

Interview Questions

- Write a program in JavaScript to check whether entered text field is blank or not.
- Write a program in JavaScript to check whether entered email id is valid or not.
- Write a program in JavaScript to validate Login panel.