

Internet Tools and Technology

alert method

prompt method

Java script event



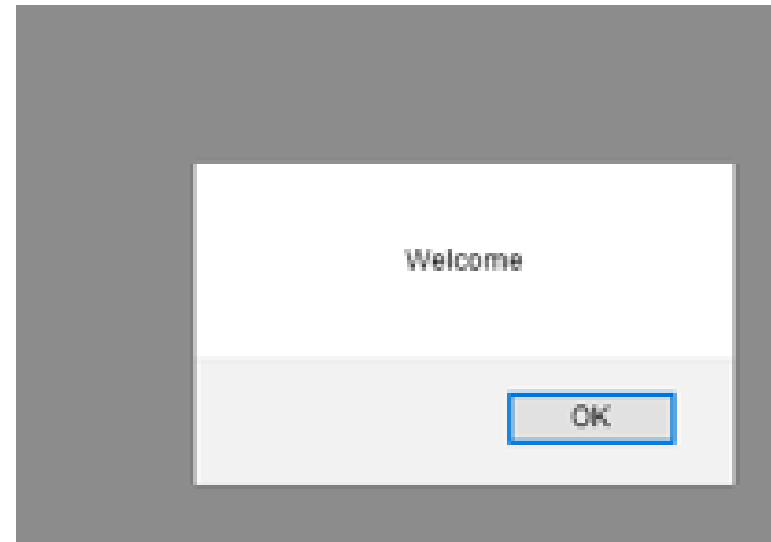
Window alert() Method

- To displays an alert box with a specified message and an OK button.
- Used if you want to make sure information comes through to the user.

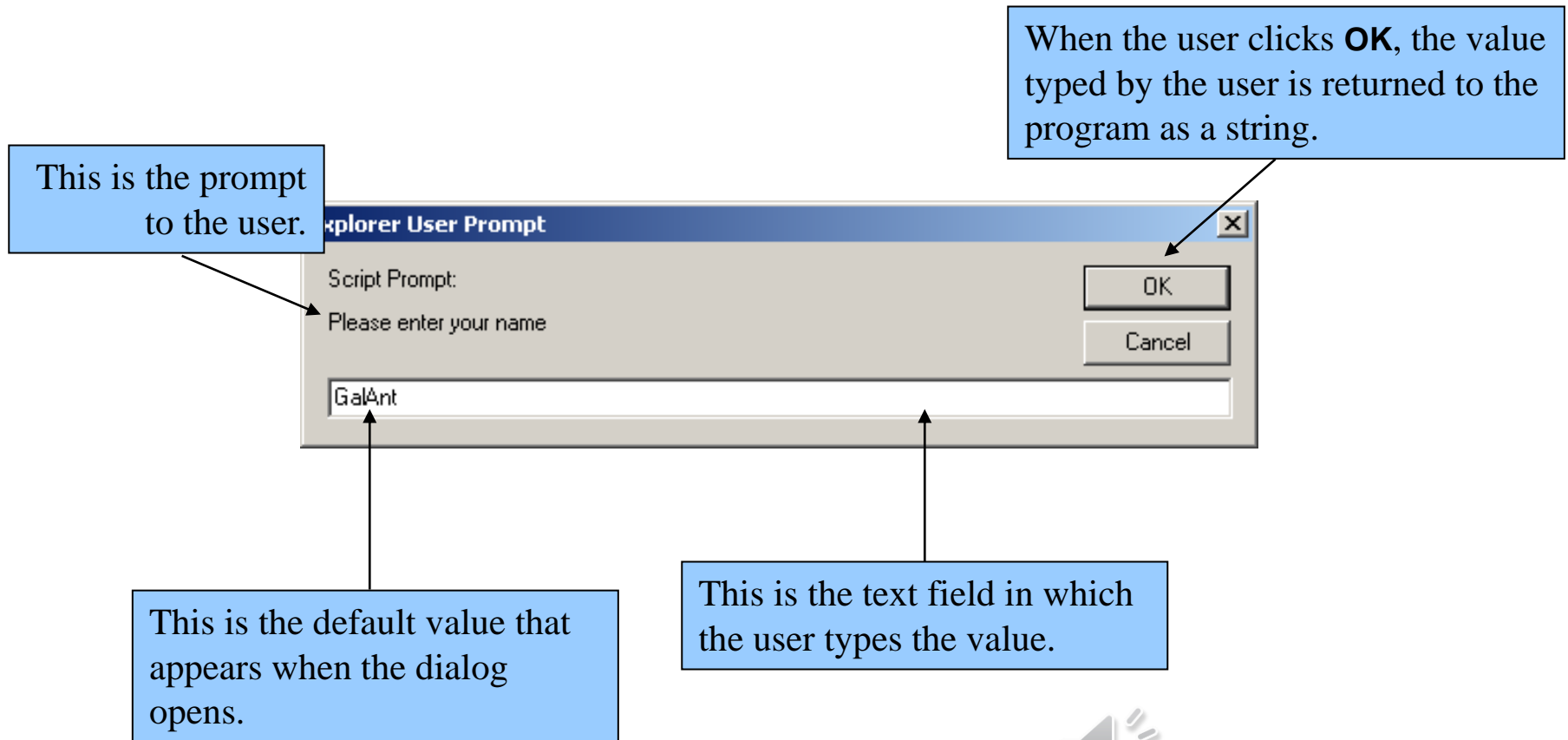


Window alert() Method

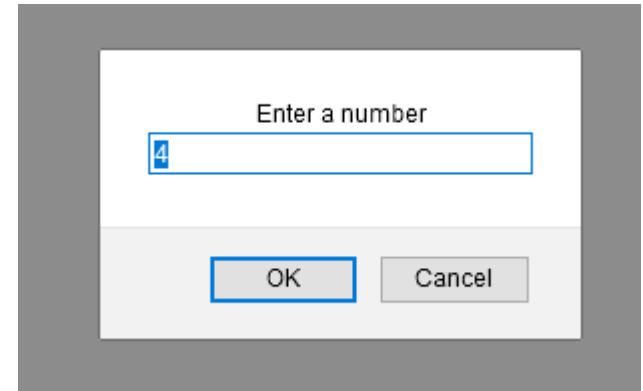
```
<html>
  <head>
    <script>
      function disp()
      {
        alert("Welcome");
      }
    </script>
  </head>
  <body>
    <H1>Alert Demo</H1>
    <script>
      disp();
    </script>
  </body>
</html>
```



Window prompt() Method



```
<html>
<body>
<p>sum of first n natural number</p>
<p id="demo"></p>
<script>
function myFunction() {
    var n = prompt("Enter a number", "4");
    if (n != null)
    {
        n++;
        document.getElementById("demo").innerHTML = "next number is " + n;
    }
}
myFunction();
</script>
</body>
</html>
```



Java script Events

The change in the state of an object is known as an **Event**.

Events are the actions that can be detected by the javascript.

- web page has finished loading
- button was clicked
- input field was changed



This process of reacting over the events is called **Event Handling**.

Javascript handles events via **Event Handlers**.

Event handlers are embedded in documents as attributes of HTML tags to which you assign JavaScript code to execute.

`<TAG eventHandler="JavaScript Code">`

- Window/Document events
- Form events
- Mouse events
- Keyboard events



Window/Document events

Event Performed	Event Handler	Description
load	onload	When the browser finishes the loading of the page
unload	onunload	When the visitor leaves the current webpage, the browser unloads it
resize	onresize	When the visitor resizes the window of the browser



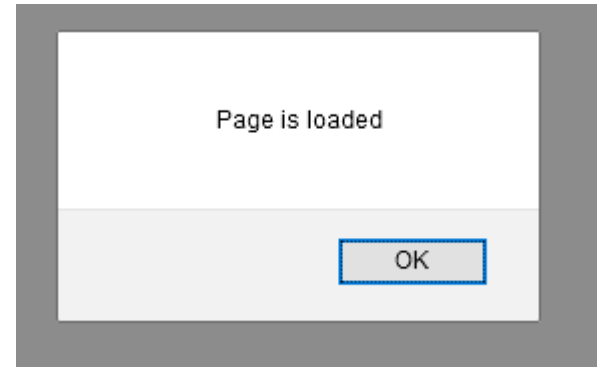
Window/Document events

```
<html>  
<body onload="myFunction()">
```

```
<h1>Hello World!</h1>
```

```
<script>  
function myFunction() {  
    alert("Page is loaded");  
}  
</script>
```

```
</body>  
</html>
```



```

```



Form events:

Event Performed	Event Handler	Description
focus	onfocus	When the user focuses on an element
submit	onsubmit	When the user submits the form
blur	onblur	When the focus is away from a form element
change	onchange	When the user modifies or changes the value of a form element

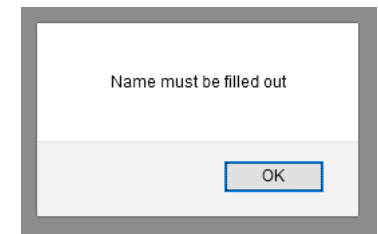


Form events:

```
<html>
<body>
<form name="form1" action="/registration.py" onsubmit="return myFunction()">
  Enter name: <input type="text" name="fname">
  <input type="submit" value="Submit">
</form>

<script>
function myFunction() {
  var x = document.forms["form1"]["fname"].value;
  if (x == "") {
    alert("Name must be filled out");
    return false;
  }
}
</script>
</body>
</html>
```

Enter name:



Mouse events:

Event Performed	Event Handler	Description
click	onclick	When mouse click on an element
mouseover	onmouseover	When the cursor of the mouse comes over the element
mouseout	onmouseout	When the cursor of the mouse leaves an element
mousedown	onmousedown	When the mouse button is pressed over the element
mouseup	onmouseup	When the mouse button is released over the element
mousemove	onmousemove	When the mouse movement takes place.

Keyboard events



Event Performed	Event Handler	Description
Keydown & Keyup	onkeydown & onkeyup	When the user press and then release the key

Mouse events:

```
<html>
<body>
<button onclick="myFunction()">Click me</button>
<p id="demo">MIT Manipal</p>
<script>
function myFunction() {
  document.getElementById("demo").innerHTML = "ICT Department";
}
</script>
</body>
</html>
```



Mouse events:

```
<html>
<head>
  <script>
    function myFunction()
    {
      document.getElementById("p1").style.color = "red";
    }
    function myFunction2()
    {
      document.getElementById("p1").style.color = "blue";
    }
  </script>
</head>
<body>
<p id="p1" onmouseover="myFunction()" onmouseout="myFunction2()"> welcome to ICT </p>
</body>
</html>
```



