**Chapter – 10**

1. **What is event handlers?**

Ans: Event handlers can be used to handle, and verify, user input, user actions, and browser actions:

* Things that should be done every time a page loads
* Things that should be done when the page is closed
* Action that should be performed when a user clicks a button
* Content that should be verified when a user inputs data

OR

JavaScript's interaction with HTML is handled through events that occur when the user or the browser manipulates a page.

When the page loads, it is called an event. When the user clicks a button, that click too is an event. Other examples include events like pressing any key, closing a window, resizing a window, etc.

1. **What is location Object?**

Ans: Location contains information about the current URL of the browser. The most common usage of Location is simply to use it to automatically navigate the user to another page:

<script type="text/javascript">  
window.location="http://www.google.com"  
</script>

1. **How many Properties & method of location Object in JavaScript?**

Ans: The location object has eight Properties and two methods. They are:

Properties: hash, host, hostname, href, pathname, port, protocol and search property.

Methods: **reload( ) and** **replace( ).**

**Properties:**

|  |  |
| --- | --- |
| **Properties** | **Description** |
|  | **We will use the URL "http://www.mysite.com/good.htm#section2" as basis below to explain the various properties.** |
| hash | Specifies the anchor portion of the URL, including the leading hash. (ie: "#section2"). |
| host | Specifies the hostname and port (if available) of a URL. (ie: "www.mysite.com" or "www.mysite.com:563"). |
| hostname | Specifies the hostname portion of the URL (ie: "www.mysite.com"). |
| href | Specifies the entire URL. |
| pathname | Specifies the path name of the URL (ie: "/good.htm"). |
| port | Specifies the port portion of the URL (ie: "563" within the host "www.mysite.com:563"). |
| protocol | Specifies the protocol portion of the URL, **including** the trailing colon (ie: "http:" or "https:"). |
| search | Specifies the query portion of the URL, including the question mark (ie: "?sort=alpha") |

**Methods:**

**Note: "[ ]" surrounding a parameter below means the parameter is optional.**

|  |  |
| --- | --- |
| **Methods** | **Description** |
| reload([forceGet]) | Reloads the current document. If "forceGet" set to true, document is completely reloaded even if server reports it hasn't been modified since last reload. Default is false. |
| replace(url) | Loads the specified URL over the current history entry. [Example(s)](http://www.javascriptkit.com/jsref/location.shtml#e1) |