JavaScript code on a web page can interact with Java applets embedded on the page. JavaScript code can perform operations such as the following:

* Invoke methods on Java objects
* Get and set fields in Java objects
* Get and set Java array elements
* Create new instances of Java objects

You should avoid using the following mechanisms to find other applets and share data between applets:

* Avoid using static variables to share data between applets.
* Do not use the getApplet and getApplets methods of the [AppletContext](http://docs.oracle.com/javase/7/docs/api/java/applet/AppletContext.html) class to find other applets. These methods only find applets that are running in the same instance of the Java Runtime Environment software.
* Applets must originate from the same directory on the server in order to communicate with each other.

**public static JSObject getWindow (Applet applet )**

This static method returns a JSObject for the window containing the given applet. For example,

http://www.codeproject.com/images/minus.gifCollapse | [Copy Code](http://www.codeproject.com/Articles/571/Java-to-JavaScript-Communication)

JSObject MainWindow = JSObject.getWindow ( this );

You can use use JavaScript to diretly call public methods in the applet or access public variables. JavaScript treats the embedded applet as an object. In the applet tag give the applet a name (for Netscape to recognize the applet), and an Id (for IE to recognize the applet).

Consider the example below where the applet has 2 methods public void increment() which increments a counter and public void decrement() which decrements the counter.

The HTML page would look something like :

<HEAD>

<SCRIPT LANGUAGE="JavaScript">

</SCRIPT>

</HEAD>

<APPLET CODE="MyApplet.class"

width=200 height=200

name=counter ID=counter>

</APPLET>

<FORM NAME>

<INPUT TYPE="BUTTON" VALUE="Increment"

OnClick="incrementIt();">

<INPUT TYPE="BUTTON" VALUE="Decrement"

OnClick="decrementIt();">

</FORM>

* **Is very simple....  
  You must use only 1 line to call Javascript function.**

|  |
| --- |
| JSObject.getWindow (this).eval ("javascript:... ") ; |

* **but don't forget JSObject import**

|  |
| --- |
| import netscape.javascript.JSObject ; |

* **Warning !! HTML : To use javascript in an applet, you must be add "MAYSCRIPT" tag in applet definition**

|  |
| --- |
| <APPLET codeBase="./" code=tmin\_JS width=80 height=25 MAYSCRIPT> |