

JavaScripts and Dynamic HTML Workshop

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JavaScript is a lightweight programming language that was developed by Netscape to create dynamic web pages. JavaScript source code is embedded in HTML documents. When an HTML document is loaded using a browser, the JavaScript source code is also loaded along with the HTML code. The client browser interprets the JavaScript code.

Salient features of JavaScript:

- Currently supported by both Netscape and Internet Explorer
- Program source code directly embedded in an HTML document
- Event driven programming
- Compact and easy to learn
- Object-based scripting language
- Can use to develop client and server internet applications
- Interpreted language (interpreted by the browser)
- Each statement goes on a separate line. If two statements are placed on the same line a semicolon separates them.

In comparison to Java, JavaScript language:

- Resembles Java
- Supports Java's expression syntax and basic control flow constructs
- Does not have Java's static typing
- Type checking is not as strong as Java
- Object based (Java is object-oriented). Uses built-in, extensible objects
- No classes; no inheritance
- Variables are not declared - data type of variables is decided by context
- Cannot automatically write to hard disk

The topics covered in the workshop include:

Introduction to JavaScript

JavaScript Language Basics

Events in JavaScripts

Selected JavaScript Objects

Multimedia in JavaScripts

Dynamic HTML and JavaScript

Several examples will be demonstrated during the workshop. Authors provide a notes developed by them.