

WHAT IS SCRIPTING LANGUAGE?..... 8.1

In simple words, a scripting language is a special type of programming language meant to deal with Web page interactions. Scripting language adds dynamic behavior to a Web page. Scripting languages came about largely because of the development of the Internet as a communications tool. To show content and add effects such as color and other formatting in Web pages we have HTML and CSS. But these are used only for presentation of information. In scenarios where we have to take some action on base of any activity done by user on web page we need to use some programming logic on the web page. That is where scripting language comes into picture. For example, activities like validating user input on forms, displaying dynamic advertisements on page, image slideshow on web pages and so on can be done using scripting language. So if we describe a dynamic Web page then we can conceive its presentation part to be made of HTML and CSS and programming logic part to be consisting of scripting language. So based on understanding and definition, scripting language differs from a normal programming language on below points:

1. It can be embedded inside HTML and adds programming logic to a Web page.
2. Scripting language does not contain any entry point like main function/method in a program.

1. Scripting language is never compiled. So as many times we execute/load the Web page, statements will be interpreted from scratch again and again.
- On the base of functionality scripting can be done on either server or client side.

CLIENT SIDE SCRIPTING VS SERVER SIDE SCRIPTING 8.2

A client side scripting language is different from server side scripting on below points:

<i>Client side scripting</i>	<i>Server side scripting</i>
Adds interactivity on client browser.	Performs interaction from server side.
Runs on the client browser, no extra software is needed.	Requires a Web server with language parser/interpreter support.
Used mainly for form validations, controlling behavior of browser.	Used for request/response manipulation and handling.
Cannot connect to database or read/write files.	Interacts with db and can do file operations.
Can view the source code by clicking on view source on browser.	Since its executed on server side, you cannot view source code by clicking on view source on client browser.
Example Javascript, VBscript.	Example PHP, ASP, JSP, etc.