

Client Side Scripting Language(22519)

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Chapters:

- ▶ 1.Basics of JavaScript programming.-----[12M]
- ▶ 2.Array, Function And Strings.-----[14M]
- ▶ 3.Form and Event Handling.-----[10M]
- ▶ 4.Cookies and Browser Data.-----[08M]
- ▶ 5.Regular Expression,Rollover and Frames.-----[14M]
- ▶ 6.Menus, Navigation And Web Page Navigation.---[12M]

What is Client Side Scripting?

Scripting Language?

- ▶ **Script** or **scripting** language is a computer language with a series of commands within a file that is capable of being executed without being compiled.
- ▶ **Scripts** are generally associated with web development where they are widely used to make dynamic web applications.

Scripting languages can be divided into two categories:

1. **Server** Side Scripting Languages
2. **Client** Side Scripting Languages



Parameters	Server Side Scripting	Client Side Scripting
Basic	Works in the back end which could not be visible at the client end.	Works at the front end and script are visible among the users.
Processing	Requires server interaction	Does not need interaction with the server
Languages involved	PHP, ASP.net, Ruby on Rails, ColdFusion, Python, etcetera.	HTML, CSS, JavaScript, etc

Difference between Programming Language and Scripting language

Programming Language

- ▶ Programming languages are generally compiled and create an executable file.
- ▶ Programming language code is compiled and binaries are converted into machine code in one shot.
- ▶ With programming language, numerous lines of code are needed for each function.
- ▶ C, C++, C#, Java, VC++, COBOL, Pascal etc are examples of programming languages.

Scripting Language

- ▶ Scripting languages are interpreted and do not create an executable file.
- ▶ In Scripting, high-level instructions are converted into machine language straightaway.
- ▶ Scripting languages require lesser line of code than programming language to write functions.
- ▶ JavaScript, VB Script, Python, Ruby etc are examples of Scripting languages.

Client Side Scripting Languages:

HTML

- **HTML** stands for HyperText Markup Language.
- **HTML** provides the basic structure of sites.
- **HTML** to define the content of web pages

CSS

- **CSS** stands for Cascading Style Sheets.
- **CSS** is used to control presentation, formatting, and layout.
- **CSS** to specify the layout of web pages

JavaScript

- **JavaScript** is used to control the behavior of different elements.
- It provides full integration with **CSS** and **HTML**.
- **JavaScript** to program the behavior of web pages.