

Tarea 6: Introducción a lenguajes del lado del cliente

The programming languages of the client side are used for their integration in web pages. A code written in a scripting language is incorporated directly into an HTML code and executed interpreted, not compiled.

With client-side programming, some of the data can be validated on the client machine before being sent to the server. This provides users with immediate error reports, while still on that form page and with no need to go back after receiving an error message. It may be necessary to access a database to validate certain values, while usually not having direct access to the database on the client's machine, although access to the database is feasible.

To incorporate a snippet of script code into an HTML page, enter the script between the <SCRIPT> and </SCRIPT> tags. There are two script languages currently available: VBScript (derived from Visual Basic) and JavaScript (derived from Java).

Vbscript (Visual Basic Script): It is a scripting language, directly derived from Visual Basic. To insert VBScript code in an HTML page, the parameter <LANGUAGE = "VBScript" is added to the <SCRIPT> tag, which determines which of the scripting languages is used. We say that script languages are interpreted, not compiled. This means that a code written in a scripting language does not undergo any transformation prior to its execution. Each line of code is translated into machine language just before its execution. It is then executed and the translation is not stored in any storage system (such as discs, tapes, etc.). If another execution is necessary, the interpreter will be forced to make a new translation of each line of code. However, the Visual Basic language, from which the VBScript derives, is a compiled language. This means that a code in Visual Basic undergoes a global process of machine language translation. All the code is translated at one time and the result of that translation is stored on the disk with the extension .EXE. When the moment of execution arrives, the compiled code is executed, not the original code of the program (called native code or source code). Each system has its advantages and disadvantages.