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❝❝ **Amit Kumar Singh (Phd – IIT Delhi Mathematics)**

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Visual Basic Scripting

- **VB**Script stands for **V**isual **B**asic Scripting that forms a subset of Visual Basic for Applications (VBA).

- VBA is a product of Microsoft which is included NOT only in other Microsoft products such as MS Project and MS Office but also in Third Party tools such as AUTO CAD.

- VBScript is a client-side scripting language like JavaScript.

- VB Script stands for Visual Basic Script and it is a light version of Microsoft Visual Basic.

- The syntax of VBScript is very similar to that of Visual Basic.

- VBScript was developed by Microsoft with the intention of developing dynamic web pages.

Visual Basic Scripting

- if you want your webpage to be more lively and interactive, then you can incorporate VBScript in your code.

- VBScript is just a scripting language.

- So, it cannot run its code on its own.

- It needs a bigger programming language to host it.

Features of VBScript

- VBScript is a lightweight scripting language, which has a lightning fast interpreter.
- VBScript, for the most part, is case insensitive. It has a very simple syntax, easy to learn and to implement.
- Unlike C++ or Java, VBScript is an object-based scripting language and NOT an Object-Oriented Programming language.
- **Object-oriented language**
    Object-oriented language doesn't has in-built object. It has all feature of OOP. Object-oriented languages are C++, C#, Java etc
- **Object-based language**
    Object-based language doesn't support all the features of OOPs like Polymorphism and Inheritance. It has in-built object like javascript has window object.languages are Javascript, VB etc.

Environments where VB Script can run

Right now, there are 3.

- **IIS (Internet Information Server)** – Microsoft's web server

- **WSH (Windows Script Host)**– The native hosting environment of the Windows OS

- **IE (Internet Explorer)**– The simplest hosting environment we can use to run VBScripts

VBscript – Version History and Uses

VBScript was introduced by Microsoft way back in 1996 and its first version was 1.0. The current stable version of VBScript is 5.8, which is available as part of IE8 or Windows 7. The VBScript usage areas are aplenty and not restricted to the below list.

- VBScript is used as a scripting language in one of the popular Automation testing tools – Quick Test Professional abbreviated as **QTP**

- Windows Scripting Host, which is used mostly by Windows System administrators for automating the Windows Desktop.

- Active Server Pages **(ASP)**, a server side scripting environment for creating dynamic webpages which uses VBScript or Java Script.

- VBScript is used for Client side scripting in Microsoft Internet Explorer.

- Microsoft Outlook Forms usually runs on VBScript; however, the application level programming relies on VBA (Outlook 2000 onwards).

Disadvantages

- VBscript is used only by IE Browsers. Other browsers such as Chrome, Firefox DONOT Support VBScript. Hence, JavaScript is preferred over VBScript.

- VBScript has a Limited command line support.

- Since there is no development environment available by default, debugging is difficult.

- Moreover, VBScript will not run on computers that run on operating systems other than Microsoft Windows including Linux, Mac etc.

- Like any other scripting language, VBScript has gone through many changes over the years.

- Now, VB Script is used as the default scripting language of ASP.

Where VBScript is Today ?

- The current version of VBScript is 5.8, and with the recent development of .NET framework, Microsoft has decided to provide future support of VBScript within ASP.NET for web development.

- Hence, there will NOT be any more new versions of VBScript engine but the entire defect fixes and security issues are being addressed by the Microsoft sustaining Engineering Team.

- However, VBScript engine would be shipped as part of all Microsoft Windows and IIS by default.