**Define and Differentiate PHP, ASP.NET, JSP and CFML.**

* PHP is a server side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages.
* ASP.Net is a web development platform provided by Microsoft. It is used for creating web-based applications. ASP.Net was first released in the year 2002. The full form of ASP is Active Server Pages, and .NET is Network Enabled Technologies.
* Java Server Pages (JSP) is a technology which is used to develop web pages by inserting Java code into the HTML pages by making special JSP tags. The JSP tags which allow java code to be included into it are <% ----java code----%>.
* CFML (ColdFusion Markup Language) is a Web page markup language that allows a Web site developer to create pages with variable information (text or graphics) that is filled in dynamically (on the fly) in response to variables such as user input.

**The table below shows the difference the four programming languanges:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FEATURE** | **PHP** | **ASP.NET** | **JSP** | **CFML** |
| * Learning Curve | short | Longer than PHP | Longer than PHP | Longer than PHP |
| * Web hosting | Supported by almost all hosting servers | Needs dedicated server | Fairly supported | Needs dedicated server |
| * Open source | Yes | No | Yes | Both commercial and open source |
| * Web services support | Built in | Uses the .NET framework | Uses add on libraries | Built in |
| * Integration with HTML | Easy | Fairly complex | Fairly complex | Easy |
| * MySQL support | Native | Needs third party drivers | Needs third party drivers | Current version has native support. Older versions use ODBC |
| * Easily extended by other languages | Yes | No | Extended using Java classes and libraries | Yes |