

Javascript Core Web Programming Course Notes

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code—which may be any type of data, such as generated HTML or binary image data—would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks... 8cffb99903

PHP of that response. The PHP reference implementation is now produced by the PHP Group. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and released in 1995. Additionally, PHP can be used for many programming tasks outside the web context, such as standalone graphical applications and drone PHP is a general-purpose scripting language geared towards web development. PHP was originally an abbreviation of Personal Home Page, but it now stands for the recursive backronym PHP: Hypertext Preprocessor 8cffb99903

Prolog has its roots in first-order logic, a formal logic. Unlike many other programming languages, Prolog is intended primarily as a declarative programming language: the program is a set of facts and rules, which define relations. A computation is initiated by running a query over the program. 8cffb99903

Blink element <script type="text/javascript">(function() { var blinks = document. Similar effects can also be achieved through the use of JavaScript. `getElementsByTagName('blink');` The blink element is a non-standard HTML element that indicates to a user agent (generally a web browser) that the page author intends the content of the element to blink (that is, alternate between being visible and invisible). The element was introduced in Netscape Navigator but is no longer supported and often ignored by modern Web browsers; some, such as Internet Explorer, never supported the element at all 8cffb99903

Python (programming language) Guido van Rossum Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming 8cffb99903

AOP includes programming methods and tools that support the modularization of concerns at the level of the source code, while aspect-oriented software development refers to a whole engineering discipline. 8cffb99903

Prolog Unlike many other programming languages, Prolog is intended primarily as a declarative programming language: the program is a set of facts and rules Prolog is a logic programming language that has its origins in artificial intelligence, automated theorem proving, and computational linguistics. logic 8cffb99903

Apple intended Swift to support many core concepts associated with Objective-C, notably dynamic dispatch, widespread late binding, extensible programming, and similar

features, but in a "safer" way, making it easier to catch software bugs; Swift has features addressing some common programming errors like null pointer dereferencing and provides syntactic sugar to help avoid the pyramid of doom. Swift supports the concept of... 8cffb99903

Aspect-oriented programming It does so by adding behavior to existing code (an advice) without modifying the code, instead separately specifying which code is modified via a "pointcut" specification, such as "log all function calls when the function's name begins with 'set'". This allows behaviors that are not central to the business logic (such as logging) to be added to a program without cluttering the code of core functions. In computing, aspect-oriented programming (AOP) is a programming paradigm that aims to increase modularity by allowing the separation of cross-cutting In computing, aspect-oriented programming (AOP) is a programming paradigm that aims to increase modularity by allowing the separation of cross-cutting concerns 8cffb99903

AppleScript is tightly bound to the Mac environment, similar to how Windows Script Host is bound... 8cffb99903 R is free and open-source software distributed under the GNU General Public License. The language is implemented primarily in C, Fortran, and R itself. Precompiled executables are available for the major operating systems (including Linux, MacOS, and Microsoft... 8cffb99903 AppleScript is primarily a mechanism for driving Apple events – an inter-application communication (IAC) technology that exchanges data between and controls applications. Additionally, AppleScript supports basic calculations and text processing, and is extensible via scripting additions that add functions to the language. 8cffb99903 Python consistently ranks... 8cffb99903

AppleScript The term AppleScript may refer to the scripting language, to a script written in the language, or to the macOS Open Scripting Architecture that underlies the language. that facilitates automated control of Mac applications. First introduced in System 7, it is currently included in macOS in a package of automation tools. JXA provides a JavaScript module system AppleScript is a scripting language created by Apple Inc. based on WebKit's JavaScriptCore engine, the JavaScript feature set is in sync with the system Safari browser engine 8cffb99903

Guido van Rossum began working on Python in the late 1980s as a successor to the ABC programming language. Python 3.0, released in 2008, was a major revision not completely backward-compatible with earlier versions. Recent versions, such as Python 3.12, have added capabilities and keywords for typing (and more; e.g. increasing speed); helping with (optional) static typing. Currently only versions in the 3.x series are supported. 8cffb99903

C Sharp (programming language) C# encompasses static typing, strong typing, lexically scoped, imperative, declarative, functional, generic, object-oriented (class-based), and component-oriented programming disciplines. object-oriented (class-based), and component-oriented programming disciplines. The principal inventors of the C# programming language were Anders Hejlsberg, Scott Wiltamuth C# (see SHARP) is a general-purpose high-level programming language supporting multiple paradigms 8cffb99903

R (programming language) Gentleman as a programming language to teach introductory statistics at the University of Auckland. It has been widely adopted in the fields of data mining, bioinformatics, data analysis, and data science. The language was inspired by the S programming language R is a programming language for statistical computing and data visualization 8cffb99903

Swift (programming language) Swift compiles to machine code and uses an LLVM-based compiler. and maintained by the open-source community. Swift was first released in June 2014 and the Swift toolchain has shipped in Xcode since Xcode version 6, released in September 2014. classes, which Apple promotes as a real change in programming paradigms they term "protocol-oriented programming" (similar to traits and type classes). Swift Swift is a high-level general-purpose, multi-paradigm, compiled programming language created by Chris Lattner in 2010 for Apple Inc 8cffb99903

The core R language is extended by a large number of software packages, which contain reusable code, documentation, and sample data. Some of the most popular R packages are in the tidyverse collection, which enhances functionality for visualizing, transforming, and modelling data, as well as improves the ease of programming (according to the authors and users). 8cffb99903 The principal inventors of the C# programming language were Anders Hejlsberg, Scott Wiltamuth, and Peter Golde from Microsoft. It was first widely distributed in July 2000 and was later approved as an international standard by Ecma (ECMA-334) in 2002 and ISO/IEC (ISO/IEC 23270 and 20619) in 2003. Microsoft introduced C# along with .NET Framework and Microsoft Visual Studio, both of which are technically speaking, closed-source. At the time, Microsoft had no open-source products. Four years later, in 2004, a... 8cffb99903 Despite its initial popularity among home users in the 1990s, it fell out of favor due to its overuse and the difficulty it presents in reading. Lou Montulli, often credited as the inventor of the blink element, claims he only suggested the idea, without writing any actual code. 8cffb99903 ... At some point in the evening I mentioned that it was sad that Lynx was not going to be able to display... 8cffb99903

Scratch (programming language) are implemented using Blockly, a JavaScript library developed by Google for creating block-based visual programming languages. As of 15 February 2023, community statistics on the language's official website show more than 123 million projects shared by over 103 million users, and more than. Scratch Educators can gather Scratch is a high-level, block-based visual programming language and website aimed primarily at children as an educational tool, with a target audience of ages 8 to 16. Scratch was conceived and designed through collaborative National Science Foundation grants awarded to Mitchel Resnick and Yasmin Kafai. Scratch is taught and used in after-school centers, schools, and colleges, as well as other public knowledge institutions. Scratch is developed by the MIT Media Lab and has been translated into 70+ languages, being used in most parts of the world. Users on the site can create projects on the website using a block-like interface 8cffb99903

Python is dynamically type-checked and garbage-collected. It supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. 8cffb99903 Prolog was one of the first logic programming languages and remains the most popular such language today, with several free and commercial implementations available. The language has been used for theorem proving, expert systems, term rewriting, type systems, and automated planning, as well as its original intended field of use, natural language processing... 8cffb99903 Aspect-oriented programming entails... 8cffb99903

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