BESIC & ADVANCED PHP COURSE

PHP
For Young Aspirants

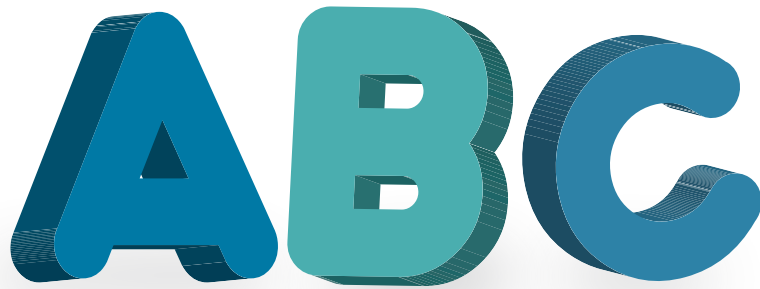# TABLE OF CONTENTS

AN INTRODUCTION TO PHP

PHP is Undoubtedly one of the most Popular Programming Languages in the World. Businesses and developers alike love working with PHP for a whole host of reasons. Some of the most popular websites in the world such as Facebook, Wikipedia, Yahoo, Flickr, and Tumblr have been built using PHP.

For Young People who are just beginning their careers, learning PHP development is an excellent choice as a profession. In addition to being an easy language to learn, PHP also has the added advantage of being an extremely in-demand language. This means that **Skilled PHP Developers** are highly sought after by some of the top technology companies in the world who are willing to offer them hefty packages for their know-how.

If you are a **young aspirant looking for a lucrative and dynamic career in PHP**, this e-book is a must read for you. In this book, we discuss the salient attributes of PHP in a nutshell as well as indulge in an in-depth discussion on the viability of the language as a career option. We will also discuss the various PHP based frameworks that you can explore as a programmer if you are looking for interesting and exciting projects to work on.

THE ABCS OF PHP

What is PHP?

In textbook's language, PHP means Hypertext Preprocessor. Basically, a server-side scripting language, PHP is written in SQL.

What can you do with it?

It is a multi-purpose scripting language. Wish to create a dynamic page content? – PHP is the answer. Want to interact with server files in multiple ways – go for PHP. You can send and receive data including modification of database data – few functions of PHP.

Is it difficult or easy to learn PHP?

In comparison to the other scripting languages that we have, PHP is very easy to learn. However, if it is your step towards programming, you make take time to grasp the language.

What makes it so popular?

Did you know that PHP is used by Facebook and WordPress? Well, many are not aware of it. An incredible scripting language, PHP can run in almost all the platforms. It is compatible with almost all the servers we have today and can easily support a huge database. Moreover, it is an Opensource application and is free.

Who uses PHP?

PHP is used mainly by back-end developers because it is relatively easy to use and offers easy documentation with proper community support.

WHY CHOOSE PHP AS A CAREER?

STEP 1
STEP 2
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Most young aspirants remain confused when it comes to jobs and career opportunities in the IT field. They are apprehensive about the languages to explore and which platform or framework will offer the brightest prospects for the future.

Having said that, PHP is a very fast-growing development language. It has especially exploded in India. Some of the most popular websites were developed using PHP.

Below we discuss in some detail why PHP offers some very bright prospects career-wise to young aspirants.

PHP as a web development tool

Right now, the PHP framework is booming as a career option. On a global scale, more than 60% of the websites on offer run on PHP. Some of the biggest names on the internet that are powered by PHP include Yahoo, Myspace, Wikipedia, Digg, and Facebook. For those of us who are looking to adopt web development as their career option, PHP is an excellent choice to learn. Websites across varied domains such as e-commerce, CMS, and CRM are developed using PHP. Almost all business domains use PHP in some form or the other.

Open Source

PHP is an open source application. Not only is it free but a large online community constantly tweaking and chipping away at its rough edges mean that there will never be a dearth of expert know-how on how to solve any problem related to PHP. Being a PHP developer allows a developer access to a plethora of open source software such as MySQL, Apache, and Linux. The frameworks that come with PHP are also available for free.

OOPS

PHP5 introduced Object Oriented Programming. Concepts such as inheritance, encapsulation, and polymorphism are useful when developing enterprise systems. Applications such as Joomla, Magento, and WordPress are examples of Object Oriented Programming. People with a background in C++ or Java find a lot of ease in using PHP as an Object-Oriented Language.

Easy to learn

The PHP syntax very closely resembles Java, C, and Perl. It can be easily learned through practical examples. The internet abounds in resources of high quality where one can gather a lot of information on PHP and how to work with it.

Framework availability

The PHP language comprises a large number of frameworks. It is because of these frameworks that PHP is hugely popular among developers. Using a framework has many advantages. First, the development is fast because of the reuse of code. Second, there is a significant reduction in errors owing to the use of the proven and tested code. Some of the commonly used PHP frameworks are Zend, Symfony, CakePHP, Akelos, CodeIgniter, Laravel, and Yii.

Compiler-based applications

With the help of PHP, we can build compiler-based applications. This concept is now deployed by Magento in their e-commerce applications. Applications build in other languages can also be a part of the PHP ecosystem. As an example, many extensions in PHP were built with the help of the language C. PHP encompasses a host of applications such as MySQL, HTML, and JS.

Compatible with a whole host of OS

PHP works well with UNIX, LINUX, Windows and Mac and interfaces well with MySQL and Apache. In short, it can work across most operating systems. With the help of PHP, we can perform cross-platform development. This makes it a cost-effective programming language to use.

Dynamic and flexible

Websites and web applications that are built using PHP are extremely secure. It can be easily scaled and is an encrypted language. The websites and the applications refresh all by themselves without the need for manual intervention. Compared to its competitors, PHP is extremely flexible and can be customized to be suited to one's needs. Since PHP is free, the code can be written with the help of any editors. It can also be combined with different libraries for special effects and graphics.

Resources

Whether it be frameworks, documentation tools, editors or dependency managers, PHP has a ready set of quality tools for use. There is documentation that can be found online for any aspect of PHP programming. Since PHP offers a huge number of extensions, the result can be completely customized to meet the clients' needs.

CMS development

Since PHP can be uniquely customized to meet the needs of the customer, it is the preferred framework of development for CMS. Websites that are developed using PHP are faster. PHP can be embedded into HTML. As a result, static websites can be very easily converted to dynamic new ones.

The demand for quality PHP developers has skyrocketed in the past few years and the trend is only expected to grow in the near future. With the whole world being re-written in code, it's anybody's guess how fast and how high the demand for PHP developers will soar. Thus, PHP development provides an excellent career opportunity to young aspirants who want to make their mark in this world.

Job opportunities

In order to work in the field of PHP, one needs to usually have a degree in computer science or software engineering. However, if one wishes to work as a freelancer and not with any multinational, these degrees are not mandatory.

Earning potential as a fresher PHP developer is limited. However, with experience and knowledge, PHP developers can develop very high earning potential.

Over and above a lucrative career as a developer, an individual with knowledge of PHP and managerial skills can also become a PHP project manager in a reputed company. Project managers earn high salaries and enjoy a comfortable livelihood.

BEST PHP BASED FRAMEWORKS TO LEARN FOR A LUCRATIVE CAREER

Can you imagine how different life would have been without Facebook? Don't panic. We know life would have been utterly boring, but thanks to Mark Zuckerberg and PHP that together laid the foundation for this outstandingly popular social media platform.

PHP which came into existence 21 years back still holds a firm ground in the domain of web development. Not just Facebook, it has laid the foundation for other highly engaging online platforms like Twitter, Tumblr, Wikipedia, Flickr, etc.

This widely used server-side programming language has many frameworks too which have evolved to be greatly beneficial in their respective functions of web development.

The demand for PHP and its frameworks is very high in the recent times. Below are listed some of the best PHP based frameworks that a student can learn to have a fruitful career.

Laravel

The most popular of all PHP frameworks is Laravel that was built in 2009. It uses the MVC structure for the rapid development of web applications. This platform, which is comprehensive in nature, has a huge community of developers for its dynamism and ease of use. The framework is best suited for e-commerce and large-scale applications. Laravel's lightweight templating engine called 'Blade' simplifies tasks like authentication, queue analysis, sessions, catching, RESTful routing, etc.

Yii/Yii2

Yii, an object-oriented and MVC using framework is highly productive. It is one of the fastest PHP frameworks as it uses on-demand loading. This framework helps in implementing large-scale custom projects such as CMS, internet portals and other complex systems as it can be efficiently integrated with Ajax and jQuery features. The recent version of Yii is Yii2 which is much faster than the older one. For development security, Yii includes output filtering, input validation, cross-site scripting prevention and SQL injection.

This framework helps you to avoid writing the repetitive SQL statements.

Zend

Zend is a highly popular professional framework used for building high-performance enterprise level applications having components for feeds, authentication, forms, services and more. It is extensible making it easy for the developers to use building blocks together with other frameworks or applications. Since the framework consists of a collection of classes, a developer can load only the components he needs, instead of the framework as a whole, to take advantage of them as individual libraries.

CakePHP

Easiest configuration is the feature of CakePHP. Using its code generation features a developer can build web applications faster. For the security and safety of the application, the framework is supported with tools for protection against SQL injection, validation, form tampering and more. To keep the application logical and consistent, the framework possesses an organizational structure.

PHP itself is a hugely in-demand framework and so is its other related frameworks. In the digital age, every industry is banking on web development for creating a dominating online presence for their business. Hence, web developers with profound knowledge and adequate experience in the relevant field are considered assets in the recent times.

To excel at either one of the above trending PHP frameworks, you have to enroll in a reputed IT course training institute. A well-known institute not only educates with in-depth knowledge but also becomes the highlight of a resume.

Congratulations!

You have now crossed the first hurdle in your journey towards becoming an ace PHP developer. Armed with the knowledge as to why learning PHP is an extremely wise career option as well as exploring the various PHP based frameworks that you can learn to have a very bright and successful career, now you can confidently embark upon the next step – joining a good institute or academy where you can learn how to become a PHP programmer.

If you are located in Kolkata, Karmick Institute is one of the best places to learn PHP from. At a reasonable course fee, you will receive personalized attention from seasoned PHP developers. You will also get the opportunity to work on live projects and garner hands-on experience. After the successful completion of the course, you will be awarded a certificate and also provided with placement assistance.