PROGRAMMING LANGUAGE SURVEY

PHP

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PHP : HYPERTEXT PREPROCESSOR

SAY HELLO TO ONE OF THE MOST POLARIZING PROGRAMMING LANGUAGES OUT THERE , "PHP

- The year 1944 , the early days of the public internet . PHP development began in 1933 when Danish-Canadian programmer RASMUS LERDORF wrote several common gateway interface(CGI) programs in C , which he used to maintain his personal homepage.

- Extending this work to run web forms and connect to databases, Rasmus coined the term "Personal Home Page/Forms Interpreter," or PHP/FI (which later became just PHP). The first major implementations of the language were rather accidental. To quote the originator himself, "I don't know how to stop it. There was never any intent to write a programming language. I have absolutely no idea how to write a programming language." PHP was never conceived to be a language on its own. However, over the past three decades it has come to power some of the largest websites in the world, including Facebook, WordPress, Etsy, Wikipedia, and Flickr.

What can I use PHP for ?

- PHP is optimized and tuned for web development , which is why cloud platforms love it . In PHP , you can build secure , high-performing and scalable web applications. There are lots of integrated development environments to help you develop amazing PHP applications. The most popular are PhpStorm , Sublime Text and Atom , but there are many others to choose from .
- PHP is a scripting language like JavaScript , Python or Ruby which means the PHP code runs on any server that has a PHP interpreter installed

Why is PHP so popular ?

- **General-Purpose flexibility :**
  PHP is known as general-purpose. With PHP , you can build almost any type of web application , the process is quick and it will run anywhere.
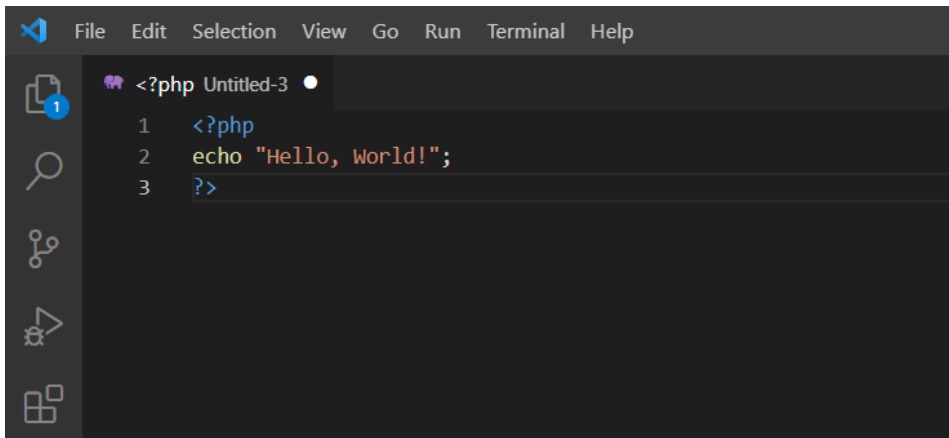
- **Cloud Compatibility :**
  All major cloud platforms support PHP as a primary language. PHP is used in millions of cloud applications worldwide.

MASCOT

The mascot of the PHP project is the **elePHPant**, a blue elephant with the PHP logo on its side , designed by Vincent Pontier in 1998.

File   Edit   Selection   View   Go   Run   Terminal   Help

<?php Untitled-3

```php
1   <?php
2   echo "Hello, World!";
3   ?>
```

SYNTAX

<?php Here echo command is used to print echo "Hello, world!"; ?>

- Here , echo command is used to print echo "Hello World"
- Here echo command will work if setting is done as said before echo **"Hello, World!"**

Why should I learn PHP

- **Platform-Independent :**
  PHP is platform-independent, working on Unix , Linux , Windows and Mac. You can use PHP for any modern web application .

- **Super fast :**
  PHP is considered to be one of the fastest web languages around. I mean, why else would the social media behemoth Facebook and Wikipedia (our favourite encyclopedia) use PHP ?

Implementations

- The only complete PHP implementation is the original , known simply as PHP. It is the most widely used and is powered by the Zend engine. To disambiguate it from other implementations, it is sometimes unofficially called "Zend PHP". The Zend Engine complies PHP source code on-the-fly into an internal format that it ca execute , thus it works as an interpreter.
- It is also the "reference implementation" of PHP , as PHP has no formal specification, and so the semantics of Zend PHP define the semantics of PHP .

References

- en.Wikipedia.org/wiki/PHP
- acloudguru.com/blog/what is the php programming
- Programiz.com/html/online-compiler
- geeksforgeeks.org/php-basic-syntax