





















































	PHP	3998425	59%
	ASP.NET	2294166	34%
But	Perl	259931	4%
	Python	159475	2%
	Java	18065	0%
	Ruby	16539	0%
A CONFT reported	hy many nace	ivo domaine (i	o inetallod
ASP.NET reported but not used)	by many pass	ive domains (i.	e. installed

ie iegenaan / ie	and the program
HTML P<br Transitional/	UBLIC "-//W3C/DTD HTML 4.01 /EN"
"http://www.w3.	org/TR/html4/loose.dtd">
<html></html>	
<head></head>	
<title>This is t</title>	he first PHP program
<body></body>	
php</td <td></td>	
print "Hello Wor	ld!";
?>	

legendary Hello	World program
DOCTYPE HTML PUBLI! Transitional//EN"	C "-//W3C/DTD HTML 4.01
"http://www.w3.org/	TR/html4/loose.dtd">
itml>	
iead>	
itle>This is the f	irst PHP program
'head>	
oody>	print a value to the
)>	output
php	output
int "Hello World!"	;
	Here the value is a
′p>	sequence of chars
'body>	indicated by start and
'html>	inuicateu by start anu

Other way	rs to embed PHP	
and ?	SGML style	Some older text books use this - deprecated
<% and %>	Microsoft ASP style	Some HTML editors use this for color syntax hints
<script language<br="">="php"> and </script>	Echoes client side scripting embedding	Some strict HTML editors may respect this

The preferred method is <?php and ?>

	All the nhn blocks are processed
<html></html>	hefore the page is sent
php ?	netore the page is sent
<head></head>	
php ?	
<title> <?php</td><td> ?></td></title>	?>
<body></body>	
php ?	

	or N the same way
php statement; state</th <th>ment;statement ?></th>	ment;statement ?>
php</th <th>tatement.</th>	tatement.
<pre>?></pre>	
php</td <td></td>	
statement;	This is the best way of
statement;	laving the code out
statement;	

	Case sensitive
in constructs and keywords	names we make up

e insensitivity	
DOCTYPE HTML PUBLIC	"-//W3C/DTD HTML 4.01
"http://www.w3.org/T	R/html4/loose.dtd">
html>	
nead>	
title>This is the se	cond PHP program
/head>	The same built in
Pody>	command
int " <h1>Welcome to</h1>	<pre>my website";</pre>
RINT "This is my	web site, which is constructed";
INT " from some HTM	L and PHP";
•	
'body>	
html>	

data value that	t appears directly in the program
2001	An integer
OxFE	Hexadecimal number
1.4142	Float
"Hello World"	String
'Hi'	String
true	Bool
null	built in 'no value' symbol

varia	ables		
We u as th	se variabl De progran	les for items o n runs	f data that will change
Choo	se a sensi	ble name and	have as many as you
IINE			
IIKE		\$ tota	al_income
IINE	 \$bill	÷tota	ll_income
IINE	\$bill	÷tota ÷salary	ll_income \$month
IINE	÷bill ÷total	¢tota ¢salarγ	l_income ≑month

1	se sensitivity
	<body></body>
	php</td
	\$value=56;
	\$VALUE=78;
	\$vaLUE=89;
	print '\$value has a value of ';
	print \$value;
	print ', VALUE has a value of ';
	print \$VALUE;
	print ', \$vaLUE has a value of ';
	print \$vaLUE;
	?>

<pre> <body> <?php \$value=56; \$vALUE=78; \$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$vALUE; print ', \$vaLUE has a value of '; print \$vALUE; </p> <!--/body--> <!--/html--></body></pre>	8	se sensitivity
<body> <body> int '\$value has a value of '; print '\$value has a value of '; print \$value; print ', VaLUE has a value of '; print \$vaLUE; print ', \$vaLUE has a value of '; print \$vaLUE; > </body> </body>		
pbp</p \$value=56; \$vALUE=78; \$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$vALUE; print ', \$vaLUE has a value of '; print ', \$vaLUE has a value of '; print \$vaLUE; ?>		<body></body>
<pre><?php \$value=56; \$vALUE=78; \$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$VALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> <!--/bml--></pre>		
<pre>\$value=56; \$vALUE=78; \$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$vALUE; print \$vALUE has a value of '; print \$vaLUE has a value of '; print \$vaLUE; ?> <!--/body--> </pre>		php</td
<pre>\$VALUE=78; \$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$VALUE; print \$vaLUE has a value of '; print \$vaLUE has a value of '; print \$vaLUE; ?></pre>		\$value=56;
<pre>\$vaLUE=89; print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$VALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> <!--/box</td--><td></td><td>\$VALUE=78;</td></pre>		\$VALUE=78;
<pre>print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$vALUE; print \$vALUE has a value of '; print \$vaLUE; ?> <!--/body--> <!--/html--></pre>		\$vaLUE=89;
<pre>print '\$value has a value of '; print \$value; print ', VALUE has a value of '; print \$vALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> </pre>		
<pre>print \$value; print ', VALUE has a value of '; print \$vALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> </pre>		print '\$value has a value of ';
<pre>print ', VALUE has a value of '; print \$VALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> </pre>		print \$value;
<pre>print \$VALUE; print ', \$vaLUE has a value of '; print \$vaLUE; ?> </pre>		print ', VALUE has a value of ';
<pre>print ', \$vaLUE has a value of '; print \$vaLUE; ?> </pre>		print \$VALUE;
<pre>print \$vaLUE; ?> </pre>		print ', \$vaLUE has a value of ';
<pre>?> </pre>		print \$vaLUE;
		?>

Constants Referred to by their identifier and set using define() define ('BESTLANGUAGE', "PHP"); print BESTLANGUAGE;

Traditionally constants have UPPER CASE IDENTIFIERS

	CLASS	Declare	extends	print()
Pagaran hu	FILE	Default	final	private
Keser veu by	FUNCTION	die()	for	protected
the language	LINE	Po	foreach	public
for core	METHOP	echo()	function	require()
functionality	Abstract	Else	global	requirers
i unici i unali i y	And	elseif	if	require_oncel
	array()	empty()	implements	return()
	As	enddeclare	include()	static
	Break	endfor	include_once()	switch
Also - can't	Case	endforeach	interface	tHRow
	catch	endif	isset()	TRy
use a duilt in	cfunction	endswitch	list()	unset()
tunction	Class	endwhile	new	Use
name as a	clone	eval()	old_function	var
variable	Const	exception	0r	while
variable	Continue	exit()	php user filter	VOR

'HP provides 8 types			
scalar (single-value)	compound		
integers	arrays		
floating-point	objects		
string			
booleans			
Two are special - res	ource and NULL		

Nhole numbers that PHP was m	- range depends on the C compiler ade in (compiled in)
Typically	+2,147,483,647 to -2,147,483,647
Octal	0755
Hexadecimal	0xFF

Typically	1.7E-308 to 1.7E+308 with 15 digits of accuracy
Examples	3.14, 0.017, -7.1, 0.314E1, 17.0E-3

Strings - double quotes

Double quotes also support a variety of string escapes

/"	Pouble quotes
\n	Newline
١r	Carriage return
\t	Tab
//	Backslash
/÷	Dollar sign
\{	Left brace
\rangle	Right brace
\[Left bracket
\]	Right bracket
\0 through \777	ASCII character represented by octal value
\x0 through \xFF	ASCII character represented by hex value

operator prec	eaer	ice		
	Р	Α	Operator	Additional Information
	19	N	new	Create new object
	18	R	[Array subscript
Heavelles	17	R	1	Logical NOT
Heavily		R	N	Bitwise NOT
		R	++	Increment
horrowod		R		Decrement
DUIIUWCU		R	(int) (float) (string) (array) (object)	Cast
6. com 0 /		R	0	Inhibit errors
Trom C/	16	L	*	Multiplication
		L	/	Division
Vor		L	%	Modulus
1011	15	L	+	Addition
		L	-	Subtraction
		L	•	String concatenation
	14	L	<<	Bitwise shift left
		L	>>	Bitwise shift right
	13	N	<, <=	Less than, less than or equal
n - procedomeo	1.0	N	>, >=	More than, more than or equal
h hierenence	12	N	==	Value equality
		N	!=, <>	Inequality
a - associativity	_	N	===	Type and value equality
		N	!==	Type and value inequality
	11	L.	8	Bitwise AND
	10	L	A	Bitwise XOR
N - non-associative	9	-		bitwise OR
	8	-	0.0	Logical AND
R - Right to left	6	L	2.	Conditional operator
R RIGHT TO BETT	5		r :	Assignment
1 1.6. 1.6.		- L		Assignment
e - lett to lett	4	L .	= += -= ~= /= ,= %= &= = ~= <<= >>=	Assignment with operation
			anu	Logical XOP
	2	L	or	Logical OP
	2	L .	UI	List constant

<pre>aBool=true; anInt=156; aaFloat=12.56; anotherFloat=12.2E6; massiveFloat=12.2E-78; rrint "The bool printed looks like this: ".\$aBool." "; rrint "The int printed looks like this: ".\$anInt." "; rrint "The (smaller) float printed looks like this: ".\$aFloat." "; rrint "The larger float printed looks like this: ".\$anotherFloat." "; rrint "The ven larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>HaBool=true; HaBool=true; HaBool=true; HaBoat=12.56; HamassiveFloat=12.2E6; HamassiveFloat=12.2E-78; Horint "The bool printed looks like this: ".\$aBool." "; Horint "The int printed looks like this: ".\$anInt." "; Horint "The int printed looks like this: ".\$aFloat." "; Horint "The (smaller) float printed looks like this: ".\$aFloat." "; Horint "The larger float printed looks like this: ".\$anotherFloat." "; Horint "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></br></pre>	Operat	ors			
<pre>anInt=156; aarInt=156; aarInt=156; aarotherFloat=12.2E6; massiveFloat=12.2E-78; wrint "The bool printed looks like this: ".\$aBool." "; wrint "The int printed looks like this: ".\$arInt." "; wrint "The (smaller) float printed looks like this: ".\$arIoat." "; wrint "The larger float printed looks like this: ".\$anotherFloat." "; wrint "The ven larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>anInt=156; anInt=156; anInt=156; anotherFloat=12.2E6; massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	aBool=true				
<pre>aFloat=12.56; anotherFloat=12.2E6; massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; arint "The int printed looks like this: ".\$anInt." "; arint "The (smaller) float printed looks like this: ".\$aFloat." "; arint "The larger float printed looks like this: ".\$anotherFloat." "; arint "The ven larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>aFloat=12.56; anotherFloat=12.2E6; massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	anInt=156;	,			
<pre>anotherFloat=12.2E6; massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>ManotherFloat=12.2E6; massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	aFloat=12.	56;			
<pre>massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>massiveFloat=12.2E-78; print "The bool printed looks like this: ".\$aBool." "; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	anotherFlo	at=12.2E6;			
<pre>print "The bool printed looks like this: ".\$aBool." >"; print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></br></pre>	<pre>print "The bool printed looks like this: ".\$aBool." >";</pre> orint "The int printed looks like this: ".\$anInt." "; orint "The (smaller) float printed looks like this: ".\$aFloat." "; orint "The larger float printed looks like this: ".\$anotherFloat." "; orint "The even larger float printed looks like this: ".\$massiveFloat." ";	massiveFlo	at=12.2E-78;			
<pre>print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";</br></br></pre>	print "The int printed looks like this: ".\$anInt." "; print "The (smaller) float printed looks like this: ".\$aFloat." "; 	rint "The	bool printed looks	like this: ".\$aBoo	1." ";	
<pre>print "The (smaller) float printed looks like this: ".\$aFloat." br />"; print "The larger float printed looks like this: ".\$anotherFloat." br />"; print "The even larger float printed looks like this: ".\$massiveFloat." >";</br></pre>	print "The (smaller) float printed looks like this: ".\$aFloat." "; print "The larger float printed looks like this: ".\$anotherFloat." "; 	rint "The	int printed looks l	ike this: ".\$anInt	." ";	
print "The larger float printed looks like this: ".\$anotherFloat." br />"; grint "The even larger float printed looks like this: ".\$massiveFloat." >";	print "The larger float printed looks like this: ".\$anotherFloat." "; print "The even larger float printed looks like this: ".\$massiveFloat." ";	rint "The	(smaller) float pri	nted looks like th	is: ".\$aFloat." ";	
wrint "The even larger float printed looks like this: ".\$massiveFloat." ";	print "The even larger float printed looks like this: ".\$massiveFloat." ";	rint "The	larger float printe	d looks like this:	".\$anotherFloat." <td>>";</td>	>";
		rint "The	even larger float p	rinted looks like	this: ".\$massiveFloat."	 ";

Ope	rators
\$aBool=	
\$anTnt=	=156:
SaFloat	+=12.56.
\$anothe	erElost=12.2E6:
Smaggit	veFloat=12.2E0,
print '	"The bool printed looks like this: " SaBool "/br />".
print '	"The int printed looks like this: "SapInt " > />".
print '	"The (smaller) float printed looks like this: ".\$aFloat." ":
print '	"The larger float printed looks like this. " SanotherFloat " ".
print '	"The even larger float printed looks like this: "SmassiveFloat " />""
princ	The even furger front printed foots fike ents