PHP 4 Reference Card

by Steven R. Gould

Escaping HTML

~ 10 - cap 1 10 -	T
<%=pmm*/>	A SP-style eypression
<% ·· %>	ASP-style
=expr?	short-form expression
?	short-form
led in php.ini:	Less portable, may be disabled in php.ini
<pre><script language="php"> . </script></pre>	
php?	preferred format

Basic syntax

Data Types

boolean integer floating point character string (parsed) character string (unparsed)	TRUE/FALSE -101, 23, 69 3.141592,, class name { }
integer floating point	-101, 23, 69 3.141592
character string (parsed)	:::::::::::::::::::::::::::::::::::::::
character string (unparsed)	· ·
class	class $name \{ \dots \}$
resource (refer to PHP manual for details)	details)
array	<pre>array([index=>]value,)</pre>
where index can be non-negative int or string	int or string

Predefined PHP variables

\$argv server and OS. Run phpinfo() for a complete list of these. Many variables are defined that are specific to the web \$PHP_SELF filename of currently executing script array of arguments passed to script number of arguments in \$argv

The following are only available if track_vars=0n in php.ini

\$HTTP_SERVER_VARS	\$HTTP_ENV_VARS	\$HTTP_POST_FILES	\$HTTP_POST_VARS	\$HTTP_GET_VARS	\$HTTP_COOKIE_VARS
array of variables from HTTP server	array of variables from parent environment	array of files uploaded via POST	array of variables passed via POST	array of variables passed via GET	array of variables passed via cookies

Control Structures

ire filename	.ude_once $flename$	include filename
include named fi	include named fi	include named fil
	t ire filename include named fil	include_once filename include named fil require filename include named fil

le, like C/C++ #include le (only if executed) le, if not already included le (at most once)

Flow of Control

Flow Constructions (if/while/for/do/switch)	terminate execution	return value from function	label	go to (avoid if possible!)	next iteration of while, do, for	exit from switch, while, do, for
'switch)	exit(arg)	${ t return} \ expr$	label:	goto $label$	continue	break

IOM COUSTLUCTIONS (TT/WHITE/TOT/GO/SMITCH)

ب	$\mathtt{default}:\ statement$	case $const_2$: $statement_2$ break;	case $const_1: statement_1$ break;	switch $(expr)$ {	while $(expr)$;	do statement	statement	while $(expr)$	statement	for $(expr_1; expr_2; expr_3)$	else statement	else if (expr) statement	if (expr) statement
	ب	$\begin{array}{ll} \texttt{default:} & \textit{statement} \\ \end{cases}$	<pre>case const2: statement2 break; default: statement }</pre>	<pre>case const₁: statement₁ break; case const₂: statement₂ break; default: statement</pre>	<pre>switch (expr) { case const₁: statement₁ break; case const₂: statement₂ break; default: statement }</pre>	<pre>while(expr); switch (expr) { case const1: statement1 break; case const2: statement2 break; default: statement }</pre>	μ. μ.	P. P. S	р. р. 8 р.	P+ P+ S P+ S	P P S P S R	1. 1. S 1. S 1. S	7· 7· 8

FILLETIONS

```
function name([arg, , arg[=default]]) {
return [value];
                        statement
```

Classes and objects

in base classes! You must do this, if you want this behavior. Note $_2$: all members are public Note₁: constructors in derived classes do not call constructors A "class" is a collection of related variables and functions

Class definition

<u>:</u> :	function $name \{\}$	var name;	class $name$ [extends $base$]{
end of class definition	function declarations	declare member variables	

Using classes

Operators (decreasing precedence)

new operator	new
array member accessor	
not [logical operator]	-
ones compliment [bit operator]	ì
increment, decrement	‡
error control operator	0
multiply, divide, modulus (remainder)	*, /, %
addition, subtraction	+, -, .
left, right shift [bit operations]	<<, >>
comparison operators	>, >=, <, <=
equality operators	==, !=, ===, !==
bitwise and	&r
bitwise exclusive-or (xor)	>
bitwise or (inclusive-or)	_
logical and	88
logical or	
conditional expression	$expr_1$? $expr_2$: $expr_3$
assignment operators	", +", -", *",
print operation	print
logical and	and
logical xor (exclusive-or)	xor
logical or (inclusive-or)	or

Predefined Apache variables

list operator

are listed below. Run phpinfo() for a complete list. More commonly used variables defined by Apache web server

\$SCRIPT_FILENAME	\$HTTP_REMOTE_PORT	\$HTTP_REMOTE_ADDR	\$HTTP_USER_AGENT	\$HTTP_REFERER	\$DOCUMENT_ROOT	\$QUERY_STRING	\$REQUEST_METHOD	\$SERVER_PROTOCOL	\$SERVER_SOFTWARE	\$SERVER_NAME
absolute	port use	user's IF	user's b	referring	root dir	query st	request	HTTP I	server II	name of

\$PATH_TRANSLATED \$REQUEST_URI \$SCRIPT_NAME \$SERVER_PORT \$SERVER_ADMIN port on server; e.g. HTTP 80, HTTPS 443 path of script relative to filesystem absolute path name of script server administrator's e-mail address the requested URI; e.g. '/index.html' path of script relative to document root ed on user's machine P address rowser string g URL ectory under which script is runnin D string, used in HTTP response tring via which page was accessed method: GET, HEAD, POST, PUT protocol used to request page the web server

PHP 4 Reference Card

String Functions <string>

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String comparison

$\mathtt{strncasecmp}(\mathtt{s}_1,\mathtt{s}_2,\mathtt{len})$	$ ext{sinary safe case-insensitive compare strncasecmp}(ext{s}_1, ext{s}_2, ext{len})$	inary sa
$\mathtt{strcasecmp}(\mathtt{s}_1,\mathtt{s}_2)$	oinary safe case-insensitive compare	inary sa
$\mathtt{strncmp}(\mathtt{s}_1,\mathtt{s}_2,\mathtt{len})$	oinary safe case-sensitive compare	inary sa
$strcmp(s_1, s_2)$	oinary sate case-sensitive compare	inary sa

Searching strings

<pre>ind position of 1st occurrence of char. strpos(h,n[,offset])</pre>	strpos(h,n[,offset])
find position of last occurrence of char.	strrpos(h,n)
find first occurrence of string	strstr(h,n)
case-insensitive version of strstr	stristr(h,n)
find last occurrence of char.	strrchr(h,n)

String manipulation

$\mathtt{substr}(\mathtt{s},start \llbracket,len brace)$	extract part of a string
$\mathtt{strtr}(\mathit{str},\mathtt{s}_1,\mathtt{s}_2)$	ranslate characters
${ t str_replace(s_1,s_2,str)}$	eplace s_1 with s_2 in str
strrev(s)	everse a string
strip_tags(s[,allow])	strip HTML&PHP tags from string
trim(s[,w])	rim whitespace from start & end
rtrim(s[,w])	rim whitespace from end of string
ltrim(s[,w])	rim whitespace from start of string
strtoupper(s)/strtolower(s)	convert to upper/lower case strto

Filesystem Functions <filesystem>

100	
$f_{passthru}(f_{p})$	echo all remaining data
$\mathtt{file_exists}(flename)$	test for existence of file
$\mathtt{diskfreespace}\left(\left.dir\right.\right)$	available disk space
$\mathtt{copy}(\mathit{src},\mathit{dest})$	copy a file
$\mathtt{fwrite}(fp,\mathtt{s},len)$	binary-safe write to file
fscanf(fp,format[,var])	parse input from file
$\mathtt{fflush}(fp)$	flush output buffer
$\mathtt{fputs}(\mathit{fp},\mathtt{s},\mathit{len})$	write to file
$\mathtt{fread}\left(fp,len\right)$	binary-safe file read
$\mathtt{feof}(f\!p)$	test for End Of File
${ t file} (filename)$	read entire file into array
$\mathtt{fgets}(fp \llbracket , len \rrbracket)$	get line from file
$\mathtt{fgetc}(fp)$	get next character from file
$\mathtt{fseek}(\mathit{fp},\mathit{offset} [,\mathit{whence}])$	jump to position in file
$\mathtt{ftell}(fp)$	retrieve current position in file
$\mathtt{fclose}(fp)$	close file
& write), b (binary mode)	modifiers: + (open for read & write), b (binary mode)
modes: r (read from beginning), w (overwrite), a (append)	modes: r (read from beginn
${\tt fopen}(filename, mode)$	open file

Mathematical Functions <math>

rig functions	sin(x), $cos(x)$, $tan(x)$
nverse trig functions	asin(x), $acos(x)$, $atan(x)$
rctan(y/x)	atan2(y,x)
yperbolic trig functions	sinh(x), cosh(x), tanh(x)
exponentials & logs	exp(x), $log(x)$, $log10(x)$
owers	pow(x,y), $sqrt(x)$
ounding	<pre>ceil(x), floor(x), abs(x)</pre>
ninimum, maximum	min(x,), $max(x,)$
andom number	$\mathtt{rand}()$, $\mathtt{rand}(min, max)$

Unified ODBC Functions <odbc>

number of rows in result output results in HTML table	free result resources	get result from a field	ъy	prepare SQL statement execute prepared SQL statement prepare & execute SQL statement	connect to data source close connection(s) oretrieve last error/msg
number of rows in result odbc_result_all(id[, format]) output results in HTML table odbc_result_all(id[, format])	$\verb odbc_free_result(id) $	$\begin{array}{c} \texttt{odbc_result}(id, field) \end{array}$	odbc_fetch_into(id[,row,result])	odbc_prepare(id, query) ment odbc_execute(id[, arg]) ement odbc_exec(id, query)	<pre>odbc_connect(dsn, user, pwd) odbc_close(id), odbc_close_all() odbc_error(), odbc_errormsg()</pre>

Transactions

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toggle autocommit on/off	$ extsf{odbc_autocommit}(id)$
commit transaction	$ exttt{odbc_commit}(id)$
rollback transaction	$\mathtt{odbc_rollback}(\mathit{id})$

Session Handling Functions <session>

Miscellaneous Functions <misc>

format a local date/time	Date/Time functions	terminate script	evaluate string as PHP code
date(format[,timestamp])		exit(x),exit(s)	eval(s)

current time in microseconds

current time in secs. since Jan.1, 1970

time() microtime()

tput	display output system	output returned as string shel	output returned in result array exec(prg[,re	They differ in their handling of the output.	The following can be used to execute an external program	External program execution
<pre>passthru(prg[,status])</pre>	system(prg[,status])	<pre>shell_exec(prg)</pre>	<pre>exec(prg[,result,status])</pre>		nal program.	

Reference

http://www.zend.com/ http://www.phpbuilder.com/ http://php.faqts.com/ http://www.php.net/

http://httpd.apache.org/

PHP web site Zend Technologies Apache web server PHP Builder Knowledge Base

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