PHP 4 Reference Card
by Steven R. Gould

Escaping HTML
preferred format
vernese

Less portable, may be disabled in php.ini:
short-form
short-form expression
ASP-style
ASP-style expression

Basic syntax
statement terminator
C-style comments
C++-style comments
shell-script-style comments
block definitions
octal integers (prefix zero) 0
hexadecimal integers (prefix zero-ex) 0x or 0X
newline, cr, tab, backspace
special characters

Data Types
boolean TRUE / FALSE
integer -101, 23, 69
floating point 3.141592
character string [parsed] "...
character string [unparsed] ...
resource [refer to PHP manual for details]
array [index-x] value,...

Predefined PHP variables
Many variables are defined that are specific to the web server and OS. Run phpinfo() for a complete list of these.

$argv array of arguments passed to script
$argc number of arguments in $argv
$ENV_FILENAME filename of currently executing script

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

$HTTP_COOKIE_VARS array of variables passed via cookies
$HTTP_GET_VARS array of variables passed via GET
$HTTP_POST_VARS array of variables passed via POST
$HTTP_ENV_VARS array of variables from environment
$HTTP_SERVER_VARS array of variables from HTTP server

Control Structures
include filename
include_once filename
require filename
require_once filename

Operators (decreasing precedence)
new operator
array member accessor
not [logical operator]
ones compliment [bit operator]
increment, decrement
error control operator
multiply, divide, modulus [remainder]
addition, subtraction
left, right shift [bit operators]
comparison operators
equality operators
bitwise and
bitwise exclusive-or [xor]
bias or [inclusive-or]
logical and
logical or
conditional expression
assignment operators
print operator
logical and
logical or
xor
logical or [inclusive-or]
list operator

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

$SERVER_NAME name of the web server
$SERVER_SOFTWARE server ID string, used in HTTP response
$REQUEST_METHOD HTTP protocol used to request page
$QUERY_STRING query string via which page was accessed
$DOCUMENT_ROOT root directory under which script is running
$PHP_SELF referring URL
$HTTP_USER_AGENT user’s browser string
$REMOTE_ADDR user’s IP address
$PATH_TRANSLATED path of script relative to filesystem
$SCRIPT_FILENAME path of script relative to document root
$REQUEST_URI the requested URI; e.g. ‘index.html’
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Mathematical Functions <math>

- trig functions: \sin(x), \cos(x), \tan(x)
- inverse trig functions: \arcsin(x), \arccos(x), \arctan(x)
- hyperbolic trig functions: \sinh(x), \cosh(x), \tanh(x)
- exponentials & logs: \exp(x), \log(x), \log10(x)
- power: \pow(x, y), \sqrt(x)
- rounding: \ceil(x), \floor(x), \abs(x)
- minimum, maximum: \min(x, y), \max(x, y)
- random number: \rand()

Unified ODBC Functions <odbc>

- connect to data source: odbc_connect(str, user, pwd)
- close connection: odbc_close(id)
- retrieve last error message: odbc_error(), odbc_error_string()
- prepare SQL statement: odbc_prepare(id, query)
- execute prepared SQL statement: odbc_execute(id, args)
- prepare & execute SQL statement: odbc_exec(id, query)
- get row as a result set: odbc_fetch_into(id, row, result)
- fetch a result row: odbc_fetch_row(id, row)
- get result from a field: odbc_result(id, field)
- free resources: odbc_free_result(id)
- number of rows in result: odbc_num_rows(id)
- output results in HTML table: odbc_resultall(id, format)

Transactions

- toggle autocommit: odbc_autocommit(id)
- commit transaction: odbc_commit(id)
- rollback transaction: odbc_rollback(id)

Session Handling Functions <session>

- initialize session data: session_start()
- destroy current session data: session_destroy()
- get/set session name: session_name(id)
- get/set session ID: session_id(id)
- register variables in session: session_register(name, ...)
- unregister variable: session_unregister(name)
- variable is registered?: session_is_registered(name)
- get cookie parameters: session_get_cookie_params()
- set cookie params: session_set_cookie_params(1, [p, a])
- write data & close session: session_write_close()

Miscellaneous Functions <misc>

- evaluate string as PHP code: eval(s)
- terminate script: exit(s), exit(2)

Date/Time functions

- format a local date/time: date(format, time())
- current time in seconds: time()
- current time in microseconds: microtime()

External program execution

- The following can be used to execute an external program.
- They differ in their handling of the output.
- output returned in result array: exec(prg, [result, status])
- output returned as string: shell_exec(prg)
- display output: system(prg, [status])
- display raw output: passthru(prg, [status])