

```
PHP code
                                                                                ?>
<?php //code goes here ?>
                                                                                Default Argument Value
Output
<?php
  echo "Hello world";
                                                                                declare(strict_types=1); // strict requirement
                                                                                function setHeight(int $minheight = 50) {
  echo Hello world
                                                                                echo "The height is: $minheight <br>";
Comments
                                                                                setHeight(350);
setHeight(); // will use the default value of 50
//Single line comment
#Single line comment
                                                                                setHeight(135);
/*Multi line comment*/
Variables
                                                                                setHeight(80);
$name = "john"; //string
$name = 'john'; //string
                                                                                Returning values
$name = <<<john>>>; //string
                                                                                <?php
$age = 23; //integer
Variable variable
                                                                                declare(strict_types=1); // strict requirement
                                                                                function sum(int $x, int $y) {
                                                                                $z = $x + $y;
<?php
$var = 'damindu';
                                                                                return $z;
$damindu = 'Dilanga';
                                                                                echo "5 + 10 = " . sum(5, 10) . "<bry";
echo "7 + 13 = " . sum(7, 13) . "<bry";
echo "2 + 4 = " . sum(2, 4);</pre>
echo $$var; //print Dilanga
Variable scope
Global variable
                                                                                ?>
                                                                                Operators
<?php
                                                                               Logical --> "a= | == (identical) != <> (not equal) > < <= >= | !== (not identical) <=> (less , equal or greater)"

Bitwise --> "& | ^(xor) ~(not) && (and) || (or)"

Error control --> "@"

Execution --> """

Incre/Decre--> """
                                                                                Arithmetic --> "+ - * / %(modulo) **(exponentiation)"
$name = 'john';
function mufun()
  {
    global $name:
   echo $name:
myfun(); //print john
                                                                                Incre/Decre--> "++ --"
Local variable
                                                                                String
                                                                                             --> ".(combine arguments) .=(append arguments)"
<?php
                                                                                For loop
function myfun()
                                                                                <?php
                                                                                for ($x = 0; $x < 10; $x++)
    $name = 'john';
    Echo $name;
                                                                                  echo "Number Is: $x <br>";
                                                                                 }
myfun(); //print john
?>
Constant
                                                                                While loop
                                                                                <?php
<?php
define("abc","DoubleD");
                                                                                x = 0;
                                 //case insensitive default false
                                                                                while($x < 10) {echo "Number is: $x <br>; $x++;"} ?>
echo abc; //print DoubleD
echo ABC; //error
                                                                                Do while loop
                                                                                <?php
                                                                                x = 0:
                                                                                do
define("abc","DoubleD",true);
                                                                                 {
                                                                                  echo "Number Is: $x <br>";
echo abc; //print DoubleD
                                                                                  $x++;
echo ABC; //print DoubleD
                                                                                while($x <10);
Data types
Integer, Float, String, Boolean, Arrays, Object, Resources, Null Function/Method
                                                                                Foreach loop
                                                                                $color = array("red", "green", "blue", "yellow");
function function_name()
                                                                                foreach($color as $value)
  //code goes here
                                                                                   echo "$value <br>";
function_name();
                                                                                 }
?>
                                                                                If, elseif, else statements
Function Arguments
                                                                                $a = 10;
<?php
                                                                                if($a > 0)
function familyName($fname, $year) {
echo "$fname Refsnes. Born in $year <br>";
                                                                                 {
                                                                                   echo "a is positive";
familyName("Hege", "1975");
familyName("Stale", "1978");
familyName("Kai Jim", "1983");
                                                                                elseif($a < 0)
```



```
echo "a is negative";
                                                                     Fatal compile-time errors generated by the Zend Scripting Engine
else
                                                                     Non-fatal compile-time errors by the Zend Scripting Engine
 {
  echo "a is 0";
                                                                     Fatal user-generated error, set by the programmer using
                                                                     trigger error()
Switch statement
                                                                     Non-fatal user-generated warning
<?php
                                                                      USER NOTICE
$num = 3:
                                                                     User-generated notice by trigger_error()
switch($num)
  case "1":
                                                                     Suggestions by PHP to improve your code (needs to be enabled)
        echo "error";
        breake;
                                                                     Catchable fatal error caught by a user-defined handle
  case "2":
                                                                     Enable this to receive warnings about a code which is not
        echo "error";
        breake;
                                                                     future-proof
  case "3":
        echo "work";
                                                                     User-generated warning for deprecated code
        breake;
                                                                     All errors and warnings except E_STRICT
  default:
        echo "error";
                                                                     Filter constants
                                                                     FILTER VALIDATE BOOLEAN
?>
                                                                     Validates a Boolean
                                                                     FILTER VALIDATE EMAI
Pre-defined variables
                                                                     Certifies an e-mail address
                                                                     FILTER_VALIDATE_FLOAT
Used to access global variables from anywhere inside a PHP
                                                                     Confirms a float
script.
$ SERVER
                                                                     Verifies an integer
Contains information about the locations of headers, paths and
                                                                     Validates an IP address
Scripts.
Can collect data that was sent in the URL or submitted in a
                                                                     Confirms a regular expression
HTML Form.
                                                                     Validates a URL
Used to gather data from an HTML form and to pass variables.
                                                                     Removes all illegal characters from an e-mail address
Also collects data after submitting an HTML form
                                                                     FILTER SANITIZE ENCODED
Pre-defined constants
                                                                     Removes/Encodes special characters
 LINE_
Denotes the number of the current line in a file
                                                                     Applies addslashes()
Is the full path and filename of the file
                                                                     Removes all characters, except digits, +- and .,eE
The directory of the file
                                                                     Gets rid of all characters except digits and + -
                                                                     FILTER SANITIZE
Name of the function
                                                                     Removes special characters
                                                                     FILTER
Class name, includes the namespace it was declared in
                                                                     Converts special characters to HTML entities
                                                                     FILTER
The trait name, also includes the namespace
                                                                     Removes tags/special characters from a string, alternative:
                                                                     FILTER_SANITIZE_STRIPPED
The class method name
                                                                     Rids all illegal characters from a URL
Name of the current namespace
Error constants
                                                                     Do nothing, optionally strip/encode special characters
                                                                     Call a user-defined function to filter data
Fatal run-time errors that cause the halting of the script and
can't be recovered from
                                                                     Directory constants
                                                                       DIR
Non-fatal run-time errors, execution of the script continues
                                                                     Directory name
Compile-time parse errors, should only be generated by the
                                                                     Filename along with directory
parser
                                                                     Line number
Run-time notices that indicate a possible error
                                                                     Variable-handling functions
Fatal errors at PHP initialization, like an E_ERROR in PHP core
                                                                     Used to retrieve the boolean value of a variable
                                                                     debug_zval_dump()
Non-fatal errors at PHP startup, similar to E_WARNING but in PHP
                                                                     Outputs a string representation of an internal zend value
core
                                                                     emptv()
```

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Checks whether a variable is empty or not array diff() Compares arrays, returns the difference (values only floatval() Get the float value of a variable (doubleval is another possibility get\_defined\_vars() Compares arrays, returns the difference (values and keys) Returns an array of all defined variables Compares arrays, returns the difference (keys only) get resource typ Returns the resource type array\_diff\_uasso gettype() Compares arrays (keys and values) through a user callback Retrieves the variable type function array\_diff\_ukey() import request variables Compares arrays (keys only) through a user callback function Import GET/POST/Cookie variables into the global scope array fill() Fills an array with values Find the integer value of a variable is array() array fill keys Fills an array with values, specifying keys Checks whether a variable is an array is bool() array\_filter( Finds out if a variable is a boolean of 538 Filters the elements of an array via a callback function Verify whether you can call the contents of a variable as a function Exchanges all keys in an array with their associated values Check whether the contents of a variable are countable Compare arrays and return their matches (values only) array intersect assoc() Find out if the type of a variable is float, alternatives: is\_double Compare arrays and return their matches (keys and values) and is real array intersect key() Compare arrays and return their matches (keys only) is int() Check if the type of a variable is an integer, is integer and array intersect uassoc() Compare arrays via a user-defined callback function (keys and is long also works is\_iterable() values) Verify that a variable's content is an iterable value array\_intersect\_ukey() Compare arrays via a user-defined callback function (keys only) Checks whether a variable's value is NULL Checks if a specified key exists in an array, alternative: Find out if a variable is a number or a numeric string key\_exists is\_object() array\_keys( Determines whether a variable is an object Returns all keys or a subset of keys in an array is resource() Check if a variable is a resource Applies a callback to the elements of a given array is scalar() array merge() Tests if a variable is a scalar Merge one or several arrays is string() array merge recursive() Find out whether the type of a variable is a string Merge one or more arrays recursively array multisort( Determine if a variable has been set and is not NULL Sorts multiple or multi-dimensional arrays Provides human-readable information about a variable Inserts a specified number of items (with a specified value) into an array Generates a representation of a value that is storable array\_pop() settype() Deletes an element from the end of an array array product() Sets a variable's type Calculate the product of all values in an array strval() Retrieves the string value of a variable array push( Push one or several elements to the end of the array array rand() Creates a PHP value from a stored representation Pick one or more random entries out of an array array\_reduce() Reduce the array to a single string using a user-defined Unsets a variable function Dumps information about a variable array\_replace() var export( Replaces elements in the first array with values from following Outputs or returns a string representation of a variable that arrays array replace recursive() can be parsed Array functions Recursively replaces elements from later arrays into the first array change key case() array Changes all keys in an array to uppercase or lowercase array\_reverse() array chunk() Returns an array in reverse order Splits an array into chunks array search( array\_column() Searches the array for a given value and returns the first key if Retrieves the values from a single column in an array successful array\_combine() array\_shift() Merges the keys from one array and the values from another Shifts an element from the beginning of an array into a new array array\_slice() array\_count\_values() Extracts a slice of an array Counts all values in an array array splice()

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Removes a portion of the array and replaces it Sorts an indexed array in ascending order uasort() array sum() Calculate the sum of the values in an array Sorts an array with a user-defined comparison function uksort() array\_udiff() Compare arrays and return the difference using a user function Arrange an array by keys using a user-defined comparison function (values only) array\_udiff\_assoc( Categorize an array by values using a comparison function Compare arrays and return the difference using a default and a user defined by the user function (keys and values) String functions array udiff uassoc( addcslashes() Compare arrays and return the difference using two user functions Returns a string with backslashes in front of specified (values and keys) characters array uintersect( addslashes( Compare arrays and return the matches via user function Returns a string with backslashes in front of characters that (values only) need to be escaped array\_uintersect\_assoc() Compare arrays and return the matches via a default user function Converts a string of ASCII characters to hexadecimal values (keys and values) chop() array\_uintersect\_uassoc() Removes space or other characters from the right end of a string Compare arrays and return the matches via two user functions (keys and values) Returns a character from a specified ASCII value arrav unique() chunk split( Splits a string into a series of smaller chunks Removes duplicate values from an array array\_unshift() convert cyr string() Adds one or more elements to the beginning of an array Converts a string from a Cyrillic character set to array values() anotherconvert uudecode() Returns all values of an array Decodes a uuencoded array\_walk() stringconvert\_uuencode() Applies a user function to every element in an array Encodes a string using array\_walk\_recursive() uuencodecount chars() Recursively applies a user function to every element of an array Returns information about the characters in a string Sorts an associative array in descending order according to the Calculates a 32-bit CRC for a string value crypt() assort() Returns a hashed string Sorts an associative array in ascending order according to the value echo() or echo Outputs one or several strings compact() Create an array containing variables and their values explode( Breaks down a string into an array count() Count all elements in an array, alternatively use sizeof fprintf() current() Writes a formatted string to a specified output stream Returns the current element in an array, an alternative is pos get\_html\_translation\_table( Returns the translation table used by htmlspecialchars() and Return the current key and value pair from an array htmlentities() Set the internal pointer to the last element of an array Transforms Hebrew text to visual texthebrevc() Import variables from an array into the current symbol table Converts Hebrew text to visual text and implements HTML line in array() breaks Checks if a value exists in an arraykeyFetches a key from an array hex2bin() Translate hexadecimal values to ASCII characters Sorts an associative array by key in reverse order html entity decode( ksort() Turns HTML entities to characters Sorts an associative array by key htmlentities() Converts characters to HTML entities Assigns variables as if they were an array htmlspecialchars decod Transforms special HTML entities to characters Sorts an array using a "natural order" algorithm independent of cas Switches predefined characters to HTML entities Sorts an array using a "natural order" algorithm implode() Retrieves a string from the elements of an array, same as join() Advance the internal pointer of an array lcfirst() Changes a string's first character to lowercase prev() Move the internal array pointer backwards levenshtein( Calculates the Levenshtein distance between two strings range() Creates an array from a range of elements Returns information about numeric and monetary formatting for Set the internal array pointer to its first element the locale ltrim() Sort an array in reverse order Removes spaces or other characters from the left side of a string shuffle() Shuffle an array md5( Calculates the MD5 hash of a string and returns it sort()

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md5\_file() stripcslashes( Calculates the MD5 hash of a file Opposite of addcslashes() stripslashes() Opposite of addslashes() Provides the metaphone key of a string stripos() Returns a string as a currency string Finds the position of the first occurrence of a substring within a nl langinfo( string (case insensitive) Gives specific locale information stristr( nl2br( Case-insensitive version of strstr() strlen() Inserts HTML line breaks for each new line in a string Returns the length of a string number format() Formats a number including grouped thousands strnatcasecmp( Case-insensitive comparison of two strings using a "natural order" Returns the ASCII value of a string's first character algorithm parse str( strnatcmp() Parses a string into variables Same as the aforementioned but case sensitive strncasecmp() String comparison of a defined number of characters Outputs one or several strings (case insensitive) Outputs a formatted string strncmp( quoted\_printable\_decode( Same as above but case-sensitive Converts a quoted-printable string to 8-bit binary strpbrk() Searches a string for any number of characters quoted\_printable\_encode() Goes from 8-bit string to a quoted-printable string strpos() Returns the position of the first occurrence of a substring in a Returns a string with a backslash before metacharacters string (case sensitive) rtrim() strrchr( Strips whitespace or other characters from the right side of a Finds the last occurrence of a string within another string strrev() string setlocale() Reverses a string Sets locale information strripos() Calculates a string's SHA-1 hash Finds the position of the last occurrence of a string's sha1\_file() substring (case insensitive) Does the same for a file strrpos( similar text( Same as strripos() but case sensitive Determines the similarity between two strings strspn() The number of characters in a string with only characters from soundex() Calculates the soundex key of a string a specified list Returns a formatted string Case-sensitive search for the first occurrence of a string inside another string sscanf( Parses input from a string according to a specified format Splits a string into smaller chunks Parses a CSV string into an array str\_ireplace( Converts all characters in a string to lowercase Replaces specified characters in a string with specified strtoupper( replacements (case-insensitive) Same but for uppercase letters str\_pad() strtr() Pads a string to a specified length Translates certain characters in a string, alternative: str repeat( strchr() Repeats a string a preset number of times substr() str replace() Returns a specified part of a string Replaces specified characters in a string (case-sensitive) substr\_compare() Compares two strings from a specified start position up to a certain length, optionally case sensitive Performs ROT13 encoding on a string Randomly shuffles the characters in a string Counts the number of times a substring occurs within a string str split( substr replace Splits strings into arrays Replaces a substring with something else str word count() trim() Returns the number of words in a string Removes space or other characters from both sides of a string strcasecmp( ucfirst() Case-insensitive comparison of two strings Transforms the first character of a string to uppercase ucwords()
Converts the first character of every word in a string to strcmp() Binary safe string comparison (case sensitive) Compares two strings based on locale Writes a formatted string to a specified output stream Returns the number of characters found in a string before the vprintf( occurrence of specified characters Outputs a formatted string strip tags() vsprintf( Removes HTML and PHP tags from a string Writes a formatted string to a variable

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```
wordwrap()
                                                                       mysali fetch fields()
Shortens a string to a given number of characters
                                                                       An array of objects that represent the fields in a result set
Filter functions
                                                                       mysqli_fetch_lengths()
filter_has_var()
                                                                       The lengths of the columns of the current row in the result set
Checks if a variable of the specified type exists
                                                                       mysqli_fetch_object()
                                                                       The current row of a result set as an object
Returns the ID belonging to a named filter
                                                                       mysqli_fetch_row()
filter_input()
                                                                       Fetches one row from a result set and returns it as an enumerated
Retrieves a specified external variable by name and optionally
                                                                      array
                                                                       mysqli field count()
filters it
filter_input_array()
                                                                       The number of columns for the most recent query
Pulls external variables and optionally filters them
                                                                       mvsali field seek(
                                                                       Sets the field cursor to the given field offset
filter list()
Returns a list of all supported filters
                                                                       mysali field tell(
                                                                       The position of the field cursor
filter var array(
Gets multiple variables and optionally filters them
                                                                       mysqli_free_result()
filter_var()
                                                                       Frees the memory associated with a result
Filters a variable with a specified filter
                                                                       mysqli_get_charset()
HTTP functions
                                                                       A character set object
                                                                       mysqli_get_client_info()
header()
Sends a raw HTTP header to the browser
                                                                       The MySQL client library version
headers list()
                                                                       mysqli_get_client_stats(
                                                                       Returns client per-process statistics
A list of response headers ready to send (or already sent)
headers sent(
                                                                       mvsali get client version()
Checks if and where the HTTP headers have been sent
                                                                       The MySQL client library version as an integer
                                                                       mvsqli get connection stats()
setcookie()
Defines a cookie to be sent along with the rest of the HTTP
                                                                       Statistics about the client connection
                                                                       mysqli_get_host_info()
headers
                                                                       The MySQL server hostname and the connection type
Defines a cookie (without URL encoding) to be sent along
                                                                       mysqli_get_proto_info()
MySQL functions
                                                                       The MySQL protocol version
                                                                       mysqli_get_server_info()
The number of affected rows in the previous MySQL operation
                                                                       Returns the MySQL server version
                                                                       mysqli_get_server_version()
mysali autocommit
Turn auto-committing database modifications on or off
                                                                       The MySQL server version as an integer
mysqli_change_user()
Changes the user of the specified database connection
                                                                      mysqli_info()
Returns information about the most recently executed
mysqli_character_set_name()
The default character set for the database connection
                                                                       query mysqli_init()
Initializes MySQLi and returns a resource for use with
mysqli_close()
                                                                       mysqli_real_connect()
Closes an open database connection
                                                                       mysqli_insert_id()
mysqli_commit()
                                                                       Returns the auto-generated ID used in the last query
Commits the current transaction
                                                                       mysqli_kill()
                                                                       Asks the server to kill a MySQL thread
mysqli_connect_errno()
                                                                       mysqli_more_results()
The error code from the last connection error
                                                                       Checks if there are more results from a multi query
mvsali connect error(
                                                                       mysqli_multi_query()
The error description from the last connection error
                                                                       Performs one or more queries on the database
mvsqli connect()
                                                                       mysqli_next_result()
Opens a new connection to the MySQL server
                                                                       Prepares the next result set from mysgli multi query()
mysali data seek
                                                                       mysqli num fields
Moves the result pointer to an arbitrary row in the result set
                                                                       The number of fields in a result set
mysqli_debug()
                                                                       mysqli num rows()
Performs debugging operations
                                                                       The number of rows in a result set
mysqli_dump_debug_info(
                                                                       mvsali options()
Dumps debugging information into a log
                                                                       Sets extra connect options and affect behavior for a connection
The last error code for the most recent function call
                                                                       mysqli_ping()
mysqli error list(
                                                                       Pings a server connection or tries to reconnect if it has gone
A list of errors for the most recent function call
                                                                       down
                                                                       mysqli prepare()
mysali error()
The last error description for the most recent function call
                                                                       Prepares an SQL statement for execution
                                                                       mysali query()
mysqli fetch all(
                                                                       Performs a query against the database
Fetches all result rows as an array
                                                                       mysqli real connect()
mysqli_fetch_array()
                                                                       Opens a new connection to the MySQL server
                                                                       mysqli_real_escape_string()
Fetches a result row as an associative, a numeric array, or both
                                                                       Escapes special characters in a string for use in an SQL
Fetches a result row as an associative array
                                                                       statement
mysqli_fetch_field_dire
                                                                       mysqli_real_query(
Metadata for a single field as an object
                                                                      Executes an SQL query
mysqli fetch field(
                                                                       mysqli_reap_async_query()
                                                                       Returns the result from async query
The next field in the result set as an object
```

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```
mysqli_refresh()
                                                                      Subtracts days, months, years, hours, minutes and seconds from a
Refreshes tables or caches or resets the replication server
                                                                      date
                                                                      date_sun_info()
                                                                      Returns an array containing information about sunset/sunrise and
mysqli rollback()
Rolls back the current transaction for the database
                                                                      twilight begin/end for a specified day and location
mysali select db()
                                                                      The sunrise time for a specified day and location
Changes the default database for the connection
                                                                      date sunset(
                                                                      The sunset time for a specified day and location
mvsali set charset(
Sets the default client character set
                                                                      date_time_set()
Sets the time
mysgli set local infile default(
Unsets a user-defined handler for the LOAD LOCAL INFILE command
                                                                      date timestamp get()
mysgli set local infile handler(
                                                                      Returns the Unix timestamp
Sets a callback function for the LOAD DATA LOCAL INFILE command
                                                                      date timestamp set(
                                                                      Sets the date and time based on a Unix timestamp
mysqli sqlstate(
Returns the SQLSTATE error code for the last MySQL operation
                                                                      date_timezone_get()
mysqli_ssl_set()
                                                                      Returns the time zone of a given DateTime object
Establishes secure connections using SSL
                                                                       date timezone set(
                                                                      Sets the time zone for a DateTime object
 vsqli stat()
The current system status
                                                                      Formats a local date and time
mysqli_stmt_init()
                                                                       getdate()
Initializes a statement and returns an object for use with
                                                                      Date/time information of a timestamp or the current local date/time
mysqli_stmt_prepare()
mvsali store result(
                                                                      gettimeofday(
Transfers a result set from the last query
                                                                      The current time
mvsali thread id()
                                                                      gmdate()
The thread ID for the current connection
                                                                      Formats a GMT/UTC date and time
                                                                      gmmktime()
mysqli thread safe(
Returns if the client library is compiled as thread-safe
                                                                      The Unix timestamp for a GMT date
mysqli_use_result()
Initiates the retrieval of a result set from the last query
                                                                      Formats a GMT/UTC date and time according to locale settings
executed using the mysqli_real_query()
mysqli_warning_count()
                                                                      Formats a local time/date as an integer
The number of warnings from the last query in the connection
                                                                      localtime(
Date/Time functions
                                                                      The local time
checkdate()
                                                                      microtime(
Checks the validity of a Gregorian date
                                                                      The current Unix timestamp with microseconds
date add()
                                                                      mktime(
Adds a number of days, months, years, hours, minutes and
                                                                      The Unix timestamp for a date
seconds to a date object
date_create_from_format()
                                                                      Formats a local time and/or date according to locale settings
Returns a formatted DateTime object
date_create()
                                                                      Parses a time/date generated with strftime()
Creates a new DateTime object
date_date_set()
                                                                      Transforms an English textual DateTime into a Unix timestamp
Sets a new date
date_default_timezone_get()
                                                                      The current time as a Unix timestamp
Returns the default timezone used by all functions
                                                                      timezone_abbreviations_list(
date_default_timezone_set()
Sets the default timezone
                                                                      Returns an array containing dst, offset, and the timezone name
                                                                      timezone identifiers list(
                                                                      An indexed array with all timezone identifiers
Calculates the difference between two dates
                                                                      timezone_location_get()
date format()
                                                                      Location information for a specified timezone
Returns a date formatted according to a specific format
                                                                      timezone_name_from_abbr()
                                                                      Returns the timezone name from an abbreviation
date_get_last_errors()
Returns warnings or errors found in a date string
                                                                       timezone_name_get()
date_interval_create_from_date_string()
                                                                      The name of the timezone
Sets up a DateInterval from relative parts of a
                                                                       timezone_offset_get(
string date_interval_format()
                                                                      The timezone offset from GMT
Formats an interval
                                                                      timezone_open()
date isodate set(
                                                                      Creates a new DateTimeZone object
Sets a date according to ISO 8601 standards
                                                                      timezone_transitions_get()
                                                                      Returns all transitions for the timezone
date modify()
Modifies the timestamp
                                                                      timezone version get(
date_offset_get()
                                                                      Returns the version of the timezonedb
Returns the offset of the timezone
                                                                      Error functions
                                                                       debug_backtrace()
date_parse_from_format()
Returns an array with detailed information about a specified
                                                                      Used to generate a backtrace
date, according to a specified format
                                                                      debug_print_backtrace()
                                                                      Prints a backtrace
                                                                       error_get_last()
Returns an array with detailed information about a specified date
                                                                      Gets the last error that occurred
```

error log()

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date sub()



```
Sends an error message to the web server's log, a file or a mail
account
                                                                                                               Boolean
error_reporting()
Specifies which PHP errors are reported
                                                                                                              Returns array of files present in the directory
restore error handler()
Reverts to the previous error handler function
                                                                                                              Feturns file size in bytes
 restore_exception_handler(
                                                                                                               filectime(
Goes back to the previous exception handler
                                                                                                              File created time (timestamps)
set error handler(
                                                                                                               nathinfo(
Sets a user-defined function to handle script errors
                                                                                                              Returns array / string based on arguments
 set exception handler()
                                                                                                               copy()
Sets an exception handler function defined by the
                                                                                                              Copy file
                                                                                                              Escape characters
user trigger_error()
Generates a user-level error message, you can also use
                                                                                                               \n - Line feed
user error()
                                                                                                               \r - Carriage return
Regular expression functions
                                                                                                               \t - Horizontal tab
preg_match()
                                                                                                               \v - Vertical tab
Returns 1 if the pattern was found in the string and 0 if not
                                                                                                               \e − Escape
preg_match_all()
                                                                                                               \f - Form feed
                                                                                                               \\ - Backslash
Returns the number of times the pattern was found in the
string, which may also be 0
                                                                                                               \$ — Dollar sign
\' — Single quote
preg replace()
                                                                                                               \" - Double quote
Returns a new string where matched patterns have been replaced
                                                                                                               [0-7]{1,3} - Character in octal notation
with another string
                                                                                                              \xspace \xsp
Numeric functions
Returns positive value of a number
                                                                                                              Date and Time formatting
                                                                                                              d - 01 to 31
sqrt()
Returns square root of a number
                                                                                                              j - 1 to 31
                                                                                                              D - Mon through Sun
Rounds a floating number
                                                                                                              1 - Sunday through Saturday
                                                                                                              N-1 (for Mon) through 7 (for Sat)
Rounds a number down to a nearest integer
                                                                                                              w - 0 (for Sun) through 6 (for Sat)
                                                                                                              m — Months, 01 through 12 \,
Rounds a number up to a nearest integer
                                                                                                              n - Months, 1 through 12
                                                                                                              F - January through December
Generates a random integer
                                                                                                              M - Jan through Dec
                                                                                                              Y - Four digits year (e.g. 2018)
mt rand(
                                                                                                              y - Two digits year (e.g. 18)
L - Defines whether it's a leap year (1 or 0)
Generates random number between defined inital and end number
Returns x raised to the power of y
                                                                                                              a - am and pm
                                                                                                              A - AM and PM
Returns the value of pi
                                                                                                              g - Hours 1 through 12
                                                                                                              h - Hours 01 through 12
Returns the lowest value from an array
                                                                                                              G - Hours 0 through 23
                                                                                                              H - Hours 00 through 23
Returns the highest value from an array
                                                                                                              i - Minutes 00 to 59
 fmod()
                                                                                                              s - Seconds 00 to 59
Returns the remainder from x/y \ \{\%\}
                                                                                                            Ouantifiers
                                                                                                              \ensuremath{\text{n+}} - Matches any string that contains at least one \ensuremath{\text{n}}
bindec(
                                                                                                              \mbox{n*} - Matches any string that contains zero or more occurrences of \mbox{n} ? - Matches any string that contains zero or one occurrences of \mbox{n}
Converts a binary number to a decimal number
Converts a decimal number to a binary number
                                                                                                              n\{x\} - Matches any string that contains a sequence of X n's
                                                                                                              n\{x,y\} - Matches any string that contains a sequence of X to Y n\,{}^{\prime}\,s
deg2rad()
                                                                                                              n\{x,\} - Matches any string that contain a sequence of at least X n
Converts a degree value to a radian value
                                                                                                              Metacharacters
rad2deg()
Converts a radian value to a degree value
                                                                                                                 - Find a match for any one of the patterns separated by | as in:
Directory functions
                                                                                                               cat|dog|fish
                                                                                                               . - Find just one instance of any character
^ - Finds a match as the beginning of a string as in: ^Hello
 getcwd()
Get current working directory
                                                                                                              mkdir()
Make directory
                                                                                                              \d - Find a digit
                                                                                                               \s - Find a whitespace character
rmdir()
Remove directory
                                                                                                               \b - Find a match at the beginning of a word like this: \bWORD, or
                                                                                                                      at the end of a word like this: WORD\b
dirname()
                                                                                                               \uxxxx - Find the Unicode character specified by the hexadecimal
Directory name
Line number
                                                                                                                             number xxxx
                                                                                                              Regular expression modifiers
Checks if file exists and returns Boolean value
                                                                                                              i - Performs a case-insensitive search
 unlink()
                                                                                                              m - Performs a multiline search (patterns that search for the
Remove file
                                                                                                                     beginning or end of a string will match the beginning or end of
is file()
                                                                                                                     each line)
```

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Boolean

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u - Enables correct matching of UTF-8 encoded patterns



```
Regular expression patterns
           [abc] - Find one character from the options between the brackets [^abc] - Find any character NOT between the brackets [0-9] - Find one character from the range 0 to 9
           Grouping
        $\frac{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{1}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\rightarrow{1}{2}\right
```

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