























Data type

m i x e d	{	 boolean <code>is_bool()</code>	 scalar	 number
		 integer <code>is_int()</code> = <code>is_integer()</code>	}	}
		 float = double <code>is_float()</code> = <code>is_double()</code>		
		 string <code>is_string()</code>		
		 array <code>is_array()</code>		
		 object <code>is_object()</code>		
	{	 resource <code>is_resource()</code>	}	}
		 NULL <code>is_null()</code>		
23	{	 floatval() <code>doubleval()</code> float value	}	}
		 intval() <code>base</code> integer value		
		 strval() string value		
		 get_defined_vars() show existent vars		
	{		}	}
		 gettype() <code>var</code>		
		 settype() <code>var, type</code>		
		 isset() <code>var, var2...</code>		
		 empty() <code>var</code> var is empty?		
		 unset() <code>var, var2...</code> delete		
	{		}	}
		 print_r() <code>expr, ret</code> show var		
		 var_dump() <code>expr, expr2...</code>		
		 get_resource_type() <code>res</code>		

Operators

Arithmetics `[+][-][*][/][%]`
 Assignments `[=][+=][-=][*=][/=]`
 Bitwise `[&][|][^][~][<<][>>]`
 Comparison `[==][!=][<][>][<=][>=]`
 Error control `[@]`
 Execution `[^]`
 Increase/Decrease `[++var][var++]`
 `[-var][var-]`
 Logical `[and, &&][or, ||][xor][!var]`
 String `[.][,]=`
 Array `[+][==][===][!=, <>][!=]`
 Type `[instanceof]`

Constants











```

define(name, value, sensitive)
constant(name) show const value
defined(name) check if is defined
get_defined_constants(cat)

```

Functions

```
function name_function(var, var2 = "default" ...) {...}
```

-  **function_exists()**  **function** check if function exists
-  **get_defined_functions()** show defined functions
-  **call_user_func()**  **func**,  **param1...** exec. function
-  **is_callable()**  **var**,  **syntax**,  **name** check

Control Structures

```

if ( expr )           while ( expr )           switch ( expr ) {
    statement #1;      statement #1;             case 1:
elseif ( expr )        statement #1;             echo "expr equals 1";
    statement #2;      do {                       break;
else                    statement #1;
    statement #3;      } while ( expr );
                        ...
                        default:
                        echo "default option";
                        break;
}

(( expr ) ? expr_true : expr_false )

for ( expr_init; expr; expr_incr )
    statement #1;

foreach ( expr as key => value )
    statement #1;

continue stop iteration & go next
break stop iteration & finish loop
return expr end & return param

```

Character type

Character type	Check if only are present in text...
<code>ctype_alnum</code> (text)	alphanumeric chars
<code>ctype_alpha</code> (text)	alphabetic chars
<code>ctype_cntrl</code> (text)	control chars (tab, esc...)
<code>ctype_digit</code> (text)	digits
<code>ctype_graph</code> (text)	visible chars & space
<code>ctype_lower</code> (text)	lowercase chars
<code>ctype_upper</code> (text)	uppercase chars
<code>ctype_print</code> (text)	printable chars
<code>ctype_punct</code> (text)	= except space & alphanumeric
<code>ctype_space</code> (text)	blank spaces (tab, space, \n...)
<code>ctype_xdigit</code> (text)	hexadecimal digit

Predefined vars

```
$GLOBALS
$_GET
$_POST
$_COOKIE } $_REQUEST
$_FILES
$_ENV
$_SESSION
$_SERVER
```

Include files

- `require(file)` include PHP script file (error_fatal if don't exist)
- `include(file)` include PHP script file (warning if don't exist)
- `require_once(file)` = require, but first check if file was included
- `include_once(file)` = include, but first check if file was included
- `set_include_path(path)` set new include path
- `get_include_path()` return include path
- `restore_include_path()` set default include path
- `get_included_files()` return all files included

Strings (print family)

```
1 print(string) output a string
2 print(format, args...) output a formatted string
2 vprintf(format, args...) = but accepts an array of arguments
printf(format, args...) return a formatted string
```

Strings (slashes & quotes)

#addslashes(*\$string*, *\$list_chars*) add \ in chars of 'list_chars' in string
#stripslashes(*\$string*) remove \ in string processed with addslashes
#addslashes(*\$string*) add \ in chars in chars that need escape
#stripslashes(*\$string*) remove \ in string processed with addslashes
#htmlspecialchars(*\$string*, *\$style*, *\$charset*, *\$double_encode*) convert special chars in HTML entities
#htmlspecialchars_decode(*\$string*, *\$style*) revert htmlspecialchars effect
#htmlentities(*\$string*, *\$style*, *\$charset*, *\$double_encode*) convert ALL special chars in HTML entities
#html_entity_decode(*\$string*, *\$style*, *\$charset*) revert htmlentities effect
#get_html_translation_table(*\$table*, *\$style*) get translation table in htmlspecialchars & htmlentities
#quotemeta(*\$string*) return a escape string of meta chars . \ + * ? [^] (\$)
#nl2br(*\$string*) convert newlines in
 break
#strip_tags(*\$string*, *\$exclude*) erase HTML & PHP tags

specialchars
 & "
 ' ' (with ENT_QUOTES)
 < <
 > >

style **charset**
 ENT_COMPAT (0) * ISO-8859-1 Latin-1
 ENT_QUOTES (1) * & ' ISO-8859-15 Latin-9 (€,...)

Strings (splits)

#chunk_split(*\$string*, *\$length*, *\$end*) split in strings of fixed 'length' [76] & put end string [\n\r].
#str_split(*\$string*, *\$length*) split in array of strings of fixed 'length' [76]
#explode(*\$del*, *\$string*, *\$limit*) split in array of strings separated by delimiter (max. 'limit' elements)
#implode(*\$del*, *\$array*) join in a string separated by 'del' all elements of a array = join()
#strtok(*\$string*, *\$token*) split a string into a smaller substrings (tokens)

Strings (string & chars operations)

#count_chars(*\$string*, *\$mode*) count number of occurrences of every char in string
#levenshtein(*\$str1*, *\$str2*, *\$cost_ins*, *\$cost_rep*, *\$cost_del*) calculate distance between 2 strings
#similar_text(*\$str1*, *\$str2*, *\$percent*) calc similarity between 2 strings
#soundex(*\$string*) calculate words pronounced similarly (soundex key)
#metaphone(*\$string*, *\$phones*) = but is more accurate than soundex()
#echo(*\$string*, *\$string2*...) output strings = <?="\$string"?>
#ltrim(*\$string*, *\$charlist*) erase whitespaces & 'charlist' from string left
#rtrim(*\$string*, *\$charlist*) = but from right of string = chop()
#trim(*\$string*, *\$charlist*) = ltrim() + rtrim()
#str_repeat(*\$string*, *\$times*) repeat string x 'times'
#str_rot13(*\$string*) return ROT13 version of string
#str_shuffle(*\$string*) randomize all chars in a string
#strpos(*\$string*, *\$substr*, *\$offset*) return pos of first occurrence
#stripos(*\$string*, *\$substr*, *\$offset*) = but case-insensitive
#strpos(*\$string*, *\$char*, *\$offset*) return pos of last occurrence (substr in php5)
#stripos(*\$string*, *\$char*, *\$offset*) = but case-insensitive
#strchr(*\$string*, *\$char*) return substr from last-pos to end
#strstr(*\$string*, *\$substr*) return substr from first-pos to end = strchr()
#stristr(*\$string*, *\$substr*) = but case-insensitive
#str_replace(*\$search*, *\$replace*, *\$string*, *\$times*) replace substring 'search' => 'replace' & return times
#str_ireplace(*\$search*, *\$replace*, *\$string*, *\$times*) = but case insensitive
#str_pad(*\$string*, *\$length*, *\$padstr*, *\$padtype*) fill string to 'length' with 'padstr'
#str_word_count(*\$string*, *\$format*, *\$charlist*) count words in a string
#strcspn(*\$string*, *\$charlist*, *\$begin*, *\$end*) return length of substring which not contain any char
#strspn(*\$string*, *\$charlist*, *\$begin*, *\$end*) return length of substring which contain any char
#strbrk(*\$string*, *\$charlist*) return substr from pos of first occurrence of a char in 'charlist'
#strlen(*\$string*) return length of string
#strrev(*\$string*) return a reverse string
#strtolower(*\$string*) return string with all alphabetic chars in lowercase
#strtoupper(*\$string*) return string with all alphabetic chars in uppercase
#ucfirst(*\$string*) return string with the first character of str capitalized (if is alphabetic)
#ucwords(*\$string*) return string with the first character of each word capitalized (if is alphabetic)
#strtr(*\$string*, *\$from*, *\$to*) translate chars from => to (or pair string array) in string
#substr(*\$string*, *\$begin*, *\$length*) return a substring of string (with a optional length)
#substr_replace(*\$string*, *\$substr*, *\$begin*, *\$length*) insert or replace substr in string from begin-pos
#substr_count(*\$string*, *\$substr*, *\$begin*, *\$length*) count number times of substring occurrences
#wordwrap(*\$string*, *\$width*, *\$break*, *\$cut*) wrap string in a lines of 'width' [75] length with break [\n]
#strcmp(*\$str1*, *\$str2*) a binary safe string compare

mode
 0 array with occurrences of all chars
 1 = (0 value exclude)
 2 = (0 value only)
 3 string with all chars used
 4 string with all chars unused

whitespaces
 * * ASCII 32 (0x20), space
 \t ASCII 9 (0x09), tab
 \n ASCII 10 (0x0A), new line
 \r ASCII 13 (0x0D), carriage return
 \0 ASCII 0 (0x00), NUL-byte
 \x0B ASCII 11 (0x0B), vertical-tab

padtype
 STR_PAD_RIGHT (0) _STRING_
 STR_PAD_LEFT (1) _STRING_
 STR_PAD_BOTH (2) _STRING_

format
 0 return number of words found
 1 return array with words found
 2 return array with pos & words

Arrays

```

matrix[ $2key ] = $value; one-dimension array
matrix[ $2key ][ $2key ] = $value; two-dimension array
array($elements) create a array

array_change_key_case($mat,$case) change all key to up/low case
array_chunk($mat,$size,$savekeys) split in arrays of 'size' elements
array_combine($mat,$values) create array with 2 arrays (keys & values)
array_count_values($mat) return array with # of frequency of values
array_fill_keys($mat,$value) create array with 'mat' keys and same value
array_fill($init,$num,$value) = but since 'init' to 'init'+ 'num' index
array_filter($mat,$func) return mat with values that return true in function
array_flip($mat) return mat swap keys & values
array_key_exists($key,$mat) check if key exists in 'mat'
array_keys($mat,$value,$strict) return all keys of array
array_map($func,$mat,$mat2...) process & return all values with function
array_merge($mat,$mat2...) merge two or more arrays
array_merge_recursive($mat,$mat2...) = but with recursive mode
array_pad($mat,$size,$fix) create arr same 'mat' & fixed with 'fix'
array_product($mat) calculate product value in elements of arr.
array_rand($mat,$num) select >1 (or more) random elements
array_reduce($mat,$func,$init) apply func to obtain one element
array_search($value,$mat,$strict) find value and return key if found
array_slice($mat,$offset,$size,$savekeys) extract a subarray
array_splice($mat,$offset,$size,$newmat) replace a subarray
array_sum($mat) sum all elements in array
array_unique($mat) remove duplicated values in array
array_walk($mat,$func,$params) apply func. to every elements of array
array_walk_recursive($mat,$func,$params) = but in recursive mode
compact($var...) create array with key (var's name) & value (var's content)
in_array($value,$mat,$strict) check if a value exists in array
list($var...) assign vars such as array
range($init,$end,$incr) create array with number range (similar to for)

```

case
CASE_LOWER (0)
CASE_UPPER (1)

Arrays basic movements

```

array_pop($mat) extract (pop) last element from array
array_push($mat,$var...) insert (push) 1 or more elements in end of array
array_shift($mat) extract (shift) first element from array
array_unshift($mat,$var...) insert 1 or more elements at init of array
count($var,$mode) count elements in array = sizeof()
current($mat) return current element in array = pos()
each($mat) return current (key,value) pair and go next
end($mat) go last element in array and return it
key($mat) return key of current element
next($mat) go next element in array and return it
prev($mat) go prev element in array and return it
reset($mat) go first element in array and return it

```

mode
nothing (0)
COUNT_RECURSIVE (1)

Exceptions

```

try
{
// Code that may cause an Exception or Error.
}
catch (Throwable $t)
{
// Executed only in PHP 7, will not match in PHP 5
}
catch (Exception $e)
{
// Executed only in PHP 5, will not be reached in PHP 7
}

```

getMessage(); returns the name of the exception

getCode(); returns the code of the exception

getFile(); returns the name of the file where the exception happened

getLine(); returns the line in the file where the exception happened

__toString(); returns the exception in a String format

MySQLi OO	
MySQLi OO	Passwords
<p>\$db = new mysqli(\$servername, \$username, \$password, \$dbname); Create the connection \$db→close(); Close the connection \$result=\$conn->multi_query(\$sql); submit a multiquery \$result = \$conn->query(\$query); Submit a query</p> <p>Methods with Object 'result' from a query: fetch_array() method: creates an associative array, a numeric array, or both, based on the second parameter (MYSQLI_ASSOC, MYSQLI_NUM, or MYSQLI_BOTH). fetch_assoc() method: creates an associative array, using the data field names as the array keys. fetch_row() method: creates a numeric array, using numeric indexes for each data field (starting at 0, and using the data field order specified in the table or SELECT statement data field). close(); It is not necessary to free memory because php frees it at the end of the script. But in cases of high traffic it can be useful num_rows: number of rows</p>	<p>\$strongpass = password_hash(\$pass, PASSWORD_DEFAULT); password_verify(\$pass1, \$pass2)</p>
	MySQLi PROCEDURAL
	<p>\$conn = mysqli_connect(host, user, password, database, port, socket); mysqli_close(\$conn); \$result = mysqli_query(\$conn,\$sql); \$num= mysqli_num_rows(\$result) \$fila = mysqli_fetch_array(\$result);</p> <p>prepared statement: \$sql = "INSERT INTO emp VALUES (?, ?, ?, ?, ?)"; Then you use the prepare() method to submit it: \$stmt = \$conn->prepare(\$sql); And bind_param to pass the values. \$stmt->bind_param("isssi", \$sempid, \$lname, \$fname, \$start, \$birth, \$salary); The first parameter defines the data type of each of the data Values: b: A blob data type value i: An integer data type value d: A double data type value s: A string data type value And finally, you must execute the prepared statement: \$stmt->execute();</p>
PDO	
<p>\$pdo = new PDO("mysql:host=\$servername;dbname=\$dbname",\$username, \$password); \$pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION); \$pdo->exec('SET NAMES "utf8"');</p> <p>\$affectedRows=\$pdo→exec(\$sql) execute the query DELETE, INSERT, and UPDATE \$result=\$pdo->query(\$sql) For SELECT queries</p> <p>\$row = \$result->fetch() returns the next row</p>	
prepared statement: With variables	prepared statement: with question mark
<p>\$sql = 'INSERT INTO comment values (:commenttext)'; \$stmt = \$pdo->prepare(\$sql);</p> <p>prepare statements \$stmt->bindValue(':commenttext', \$commenttext); \$stmt->execute();</p> <p>Or more concise \$stmt->execute([':commenttext' => \$commenttext]);</p>	<p>\$sql = 'INSERT INTO comment values (?,?)'; \$stmt = \$dbh->prepare(\$sql);</p> <p>\$stmt->bindParam(1, \$comment); \$stmt->bindParam(2, \$date); \$stmt->execute();</p>
Transactions:	
<p>\$pdo->beginTransaction(); \$pdo->commit();//save changes</p>	<p>\$pdo->rollBack(); //undo changes</p>

```

format
SUNFUNCS_RET_STRING (0)
SUNFUNCS_RET_DOUBLE (1)
SUNFUNCS_RET_TIMESTAMP (2)

```

Date & time

```

@checkdate(2month,2day,2year) check if date is correct (leap inclusive)
#getdate(2timestamp) get date/time info
@time() return current timestamp
@microtime(@float) return current timestamp (with microseconds)
@date_default_timezone_get() return default timezone used
@date_default_timezone_set($timezoneid) set a default timezone
#date_parse($strptime) return array with (day, month, year...) info
@gettimeofday(@float) call 'gettimeofday' command, return array or float
@gmdate($date,2timestamp) format a GMT/UTC date/time
@date($date,2timestamp) format a local time/date as integer
#strtotime($strtime,$date) parse a strtotime() time/date
@strtotime($engdate,2now) parse english datetime in timestamp
@gmstrftime(2hour,2min,2secs,2month,2day,2year,2s_dst) get a timestamp GMT
@gmstrftime($cformat,2timestamp) format a GMT/UTC time/date (with locale sets)
#strftime($cformat,2timestamp) format a local time/date (with locale sets)
#localtime(2timestamp,$key_str) get local time (false key_str, numeric array keys)
@mktime(2hour,2min,2secs,2month,2day,2year,2s_dst) get timestamp for a date
#date_sun_info(2timestamp,$lat,$long) sunset/sunrise & twilight begin/end
@date_sunrise(2timestamp,2format,$lat,$long,$zenit,$gmt) get sunrise time
@date_sunset(2timestamp,2format,$lat,$long,$zenit,$gmt) get sunset time

```

Date parameters

```

#date($date,2timestamp) format a local time (or a timestamp time)
DAY d 08 D Mon J 8 I (L) Monday N 1...7 (week day) S st, th... w 0...6 (week day) z 0...365
WEEK W 1...52 (week of year)
MONTH F January m 01 M Jan n 1 t 28...31 (month days)
YEAR L 1 (leap year) O (no) o 2008 Y 2008 (W) y 08
TIME a am A AM B 000...999 (swatch internet time)
HOUR g 6 G 18 h 06 H 18
MIN i 02 (min) s 02 (sec) u 54321 (millisec)
TIMEZONE e UTC, GMT... (id) I (l) 1 (daylight saving) O (no) O +0200 (GMT diff hours)
P +02:00 (= GMT diff hr & min) T EST, MDT (abbr) Z 50400 (offset)
FULL c 2004-02-12T15:19:21+00:00
r Thu, 21 Dec 2000 16:01:07 +0200
U UNIX Epoch [see time()]

```

DateTime & DateTimeZone class

```

@date_create($strptime,$DTzone) create a DateTime = constructor
date_date_set($datetime,2year,2month,2day) set a date in DT object = setDate()
@date_format($datetime,$fdate) return date with specified format = format()
@date_isodate_set($datetime,2year,2week,2day) set ISO date = setISODate()
date_modify($datetime,$strptime) alter a DateTime object = modify()
@date_offset_get($datetime) return daylight saving time offset = getOffset()
date_time_set($datetime,2hour,2min,2secs) set time = setTime()
@date_timezone_get($datetime) return timezone of date = getTimezone()
date_timezone_set($datetime,$DTzone) set a date timezone = setTimezone()
#timezone_abbreviations_list() return (dst, offset, name) = listAbbreviations()
#timezone_identifiers_list() return numeric index with all ids = listIdentifiers()
@timezone_name_get($DTzone) return name of timezone = getName()
@timezone_offset_get($DTzone,$datetime) return timezone offset from GMT = getOffset()
@timezone_open($timezoneID) return DateTimeZone object (DTzone) = constructor
#timezone_transitions_get($DTzone) return all transitions for timezone = getTransitions()
@timezone_name_from_abbr($abbr,2gmtOffset,2is_dst) return name from abbrev.

```

COOKIES

setcookie(name, value, expire, path, domain, secure, httponly);