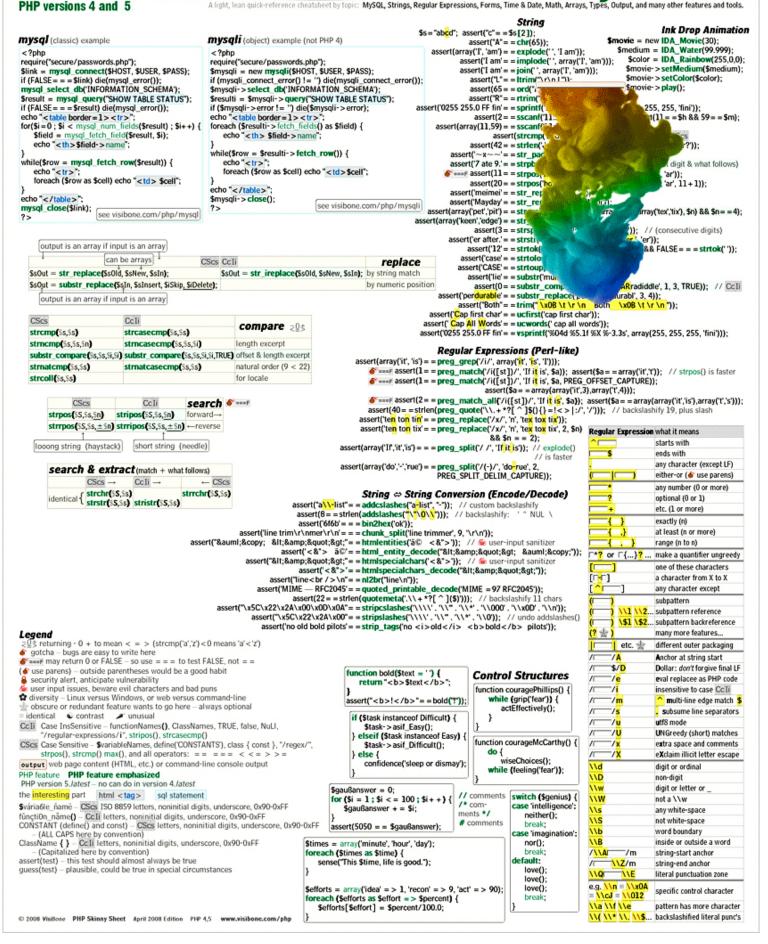


## PHP Skinny Sheet

## PHP versions 4 and 5 A light, lean quick-reference cheatsheet by topic: MySQL, Strings, Regular Expressions, Forms, Time & Date, Math, Arrays, Types



PHP Skinny Sheet

```
array (
   'seconds' => 59.
   'minutes' => 59.
   'mours' => 23.
   'mday' => 31.
   'mday' => 5.
   'mon' => 12.
   'year' => 1999.
   'yday' => 364.
   'weekday' => 'Friday'.
   'month' => 'December'.
   0 => 946702799
                                                                   interface Lawyer {
class Voter extends Citizen {
                                                                                                                                                                                                                                                        Time & Date
       var Sparty;
function Voter(Sname) {
                                                                          public function argue(array $cases);
                                                                                                                                                                             assert('23:59:59 Fri 31-Dec-1999' = = date('H:i:s D d-M-Y',mktime(23,59,59,12,31,1999)));
                                                                                                                                                                            assert('00:00:00 Sat 01-Jan-2000' = = date('H:i:s D d-M-Y',mktime(23,59,59,12,31,1999) + 1));
               parent::Citizen($name);
                                                                   class Senator extends Voter implements Lawyer {
                                                                                                                                                                                                                                var_export(getdate(mktime(23,59,59,12,31,1999)));
                                                                          static private Srecord = 1
                                                                                                                                                                                                                                               $a = getdate(time()); guess('Monday' = = $a['weekday']);
        function register($party) {
                                                                            final public function argue(array $cases) {
                                                                                                                                                                               guess('0.20934800 1200089159' = = microtime());
guess(1200089159.209348 = = microtime(TRUE));
               Sthis->party = Sparty;
                                                                                  Senator::$record .= join($cases);
                                                                                                                                                                                                                              assert(1 = = mktime(0,0,0,1,1,2000)-mktime(23,59,59,12,31,1999));
                                                                                                                                                                                                                                                                                                                                                                           // y2k moment
                                                                            protected function influence(Lobbyist $x) {}
                                                                                                                                                                                                                                             $t1 = time(); dosomething(); $t2 = time(); $nSeconds = $t2-$t1;
So = new Voter('John Q.');
                                                                                                                                                                            Array Simple
                                                                                                                                                                    $a = array(2, 'b', 'or' = >'not', array('2b'), ); // * trailing comma ok
                                                                                                                                                                                                                                                                                                                            Simple Math
                                                                                                                                                                             assert(4 = = count($a)
                                                                                                                                                                                                                                                                                                    assert(5 = = abs(-5));
                                         Function Tools
                                                                                                                                                                                && 2 = = $a[0]
                                                                                                                                                                                                                                                                                                 assert(2.0 = ceil(1.1) && -1.0 = ceil(-1.9));
                                $f = create_function('$x', 'return 2*$x;'); assert(4 = = $f(2));
                                                                                                                                                                                 && 'b' = = $a[1]
                                                                                                                                                                                                                                                                                                assert(2.0 = floor(2.9) \&\& -3.0 = floor(-2.1));
assert(2.5 = fmod(12.5, 10.0));
                                                                                                                                                                                && 'not' = = $a['or']
&& '2b' = = $a[2][0]);
function f() { return func_get_args(); } assert(array(1,'two') = = f(1,'two'));
                                                                                                                                                                                                                                                                                            assert(FALSE = = is_finite(9e9999));
                                                                                                                                                     assert(3 = count(array(7,8,9)));
                                                                                                                                                                                                                                                                                            assert(TRUE = = is_infinite(9e9999));
                                                                                                                           assert(3 = count(array(7,6,7)));

assert(6 = count(array(7,8,array(9,10,11)), COUNT_RECURSIVE));

assert(array(T, 'am') = explode('', 'I am'));

assert(TRUE = in_array(T, 'am'));  // = join()

assert(TRUE = in_array(1,2, '333, array(1,2, '333,',4)));

assert(Tam' = join('', array('T, 'am')));
                                                                                                                                                                                                                                                                                              assert(0.0 < = lcg_value() && lcg_value() <= 1.0); // random
                                                                                                                                                                                                                                                                                                  assert(9 = max(7,8,9) && y' = max(x,y,'Z)); // CScs
assert(1 = min(3,2,1) && 'a' = min('c','b','a'));
assert(0 <= mt_rand() && mt_rand() <= mt_getrandmax());
                   Operator Precedence
        $0 = new ClassName;
                                                                                                                                                                                                                                                                                                 $i = mt_rand(-1000,1000); assert(abs($i) < = 1000);

mt_srand(0); assert(963932192 == mt_rand());

assert(0 <= rand() && rand() <= getrandmax()); // $\frac{1}{2}$
        So = new SsClassName:
                                                                                                                                                                            list(sone,stwo) = array(1,2); assert(1 = sone && 2 = stwo);
                                                                                                                    assert(array(1,2,3,4,5) = = range(1,5)); \\ \$a = array(1,2,3,4,5); \ assert(shuffle(\$a)); \ guess(array(2,5,3,1,4) = = \$a); \\
   $Z = $a[$i]; // array element by numeric index
                                                                                                                                                                                                                                                                                            assert(-100 < = rand(-100,100) && rand(-100,100) < = 100);
   $Z = $a[$s]; // array element by string key
$s = $s[$i]; // a character from a string in
                                                                                                                                                    assert(3 = sizeof(array(7,8,9)));
                                                                                                                                                                                                                                                                                            assert(-2.67 = = round(-2.666, 2));
                                                                                                                                                Integer & String
                                                                                                                                                                                                                                                                                                                            srand(0); assert(12345 = = rand());
                                                                                                                                                                                                                                                                                    Array Sort
                                                                                                                 assert(44 = = = (int)/44'):
              $n++; ++$n; // post- and pre-increment
                                                                                                                                                                                              a = array(2,1,1); b = array(0,8,9); a = b; a = array(1,1,2) = a = a.
                                                                                                                 assert(44 = = = (integer)'44');
              $n--; --$n; // post- and pre-decrement
                                                                                                                                                                                                s= array(7.8.9); assert(arsort(sa) && array(2 = > 9, 1 = > 8, 0 = > 7) = = sa); 
 <math>s= array(9.8,7); assert(asort(sa) && array(2 = > 7, 1 = > 8, 0 = > 9) = = sa); 
 <math>s= array(8 = > 1, 7 = > 1, 9 = > 1); assert(krsort(sa) && array(9 = > 1, 8 = > 1, 7 = > 1) = = sa); 
                                                                                                                 assert(44 = = = 0+'44');
                                                                                                                   assert(2.0 = = doubleval('2')):
         $i = ~$i; // bitwise complement
                                                                                                                   assert(-2.0 = = floatval('-2'));
        $n = -$n
                                                                                                                                                                                               $a = array(8 = > 1, 7 = > 1, 9 = > 1); assert(ksort($a) && array(7 = > 1, 8 = > 1, 9 = > 1) = = $a); 
$a = array("A222", 'a99"); assert(natcasesort($a) && array(1 = > 'a99", 0 = > 'A222") = = $a); 
$a = array("a222", 'a99"); assert(natsort($a) && array(1 = > 'a99", 0 = > 'a222") = = $a);
        $Z = @$Z;
                                // hide error messages
                                                                                                                      assert(-3 = = intval('-3garbage'));
       $b = (bool)$z; $b = (boolean)$z;
$i = (int)$z; $i = (integer)$z;
                                                                                                                                               String & Integer
                                                                                                               assert('44' = = (string)44); \qquad sa = array(8,7,9); \quad assert(rsort($a) && array(9,8,7) = $a); \\ assert('44' = = '' . 44); // (concatenate empty string) \\ sa = array(8,7,9); \quad assert(sort($a) && array(7,8,9) = $a); \\ assert('3.14' = = strval(3.140)); \qquad sa = array('K12',k9'); \quad assert(uasort($a, strnatcasecmp') && array(1 = > k9', 0 = > K12') = $a); \\ assert('3.14' = = strval(3.140)); \qquad sa = array('K12',k9'); \quad assert(uasort($a, strnatcasecmp') && array(1 = > k9', 0 = > K12') = $a); \\ assert('3.14' = = strval(3.140)); \qquad sa = array('1,8,7) = (sa + array(1,8,7)) = (sa +
                   (double)$z; $x = (float)$z; $x = (real)$z;
        $s = (string)$z:
        $a = (array)$Z;
                                                                                                                                                                                                      a = array(b12 = >0,b4 = >0); assert(uksort(a, strnatcmp') & array(b4 = >0,b12 = >0) = = a; a = array(b4 = >0,b12 = >0); assert(usort(a, create function(a, return strcasecmp(a, return strcasec
$0 = (object)$Z;
NULL = = (unset)$Z;
                                                   Specify the class name, a string
                                                   containing the class name, or
                                                                                                                                                                                                                                                                                    && array('a','B','c') = = $a);
                                                                                                                         PHP types
                                                                                                                                                                                                                                                                                                                                                    Type Test
$b = $Z instanceof C; an object instance of the class.
                                                                                                                                                                                                                                                                                                            guess('stdClass' = = get_class($o));
                                                                                                                                                                                          $x
$b = $Z instanceof $sClassName;
                                                                                                                                                                                                              $n
                                                                                                                                                                                                                                                                                                        assert('mysql link' = = get_resource_type($link));
$b = $Z instanceof $o:
                                                                   Is $Z an object of
the class? Or a class
                                                                                                                                                                                                                                                                                                              assert('integer' = = gettype(9));
                                                                                                                                                                                        ka float
                                                                                                                                                                                                                                                                                                                                       assert(is_array(array(1,2,3)));
                                                                                                                                                                                            real
        $b = !$b; // boolean not
                                                                     that extends or imple-
                                                                                                                                                                                                                                                                                                                                      assert(is_bool(FALSE));
assert(is_callable('strlen'));
                                                                                                                                                                                                              $i
                                                                                                                                                                        ↓$b
                                                                    ments the class?
  sn = sn * sn:
                                                                                                                                                                                                              ka int,
                                                                                                                                                                                                                                St
                                                                                                                                                                                                                                                                                                                                       assert(is_double(7.5));
                                                                                                                                                                                                                     time: seconds
                                                                                                                                                                                                                                                                                                                                       assert(is_float(7.5));
    Si = Si % Si; // integer modulo
                                                                                                                       (void)
                                                                                                                                                                                                                          since 1970
                                                                                                                                                                                                                                                                                                                                       assert(is_integer(3) && is_int(3));
                                                                                                                                                                                          $s
                                                                                                                                                                                                                                                                                                                                       assert(is_null(NULL));
                                                                                                                                                                                     "string"
  Sa = Sa + Sa; // runion by keys, not values
                                                                                                                                           $Z
                                                                                                                                                                                                                                                                                                                                       assert(is_numeric(2.55e2));
 $n = $n + $n;
                                                                                                                                                                         $r
                                                                                                                                                                                                         Sf
                                                                                                                                                                                                                                                                                                                                       assert(is object(new stdClass));
                                                                                                                                                                                                                                                           NULL
                                                                                                                                                                      regular
                                                                                                                                                                                                     function
                                                                                                                                                                                                                                                                                                                                       assert(is_real(7.5));
                                                                                                                                                                       pression
  $s = $s.$s; // string concatenate, à la Perl
                                                                                                                                                                                                      name
                                                                                                                                                                                                                                                                                                                                      guess(is_resource(mysql_connect('x.com')));
assert(is_scalar('s') && !is_scalar(array()));
                                                                                                                                        $a
                                                                                                                                                                                                                                                              Sresult'
    Si = Si << $i; // shift bits left
Si = Si >> $i; // shift bits right
                                                                                                                                     "array"
                                                                                                                           nteger or string keys
                                                                                                                                                                                                                                               mysql_query(SQL statement)
                                                                                                                                                                                                                                                                                                                                       assert(is_string('abc'));
                                                                                                                                                                                                                              ¢R
                                                                                                                            any type value:
(including
                                                                                                                                                                                                                                                         *mysal result
                                                                                                                                                                            $0
                                                                                                                                                                                                                       "resource"
                                                                                                                                                                                                                                                   get_resource_type(SR)
                                                                                                                                                                                                                                                                                                                                     file, database, etc.
  Sz = Sz < Sz: // less
                                                                                                                                                                        "object".
                                                                                                                                                                                                                                                                                                                                     to use a global variable within a function;
                                                                                                                               ub-arrays)
    $z = $z <= $z; // less or equal
                                                                                                                                                                       ew or (object
                                                                                                                                                                                                                                                                                                                                           global Svariable: // once at function top
  Sz = Sz > = Sz; // more or equal all these
Sz = Sz > Sz; // more
                                                                                                                                                                                               $resulti
                                                                                                                                                    "stdClass" | Smysqli > query(SQL statement)
                                                                                                                                                                                                                                                                                                                                           $GLOBALS['variable'] // anywhere.
                                                                          are CScs
                                                                                                                                                                                            "mysqli_result" 4
                                                                                                                                                                                                                                                                                                                   Every function behaves as if it had these automatically
                                                                                                                                                                                                                                                                                                                   global $GLOBALS, $_COOKIE, $_ENV, $_FILES, $_GET;
    $b = $Z = =$Z; // loose equal & not = assignment
 $b = $Z! = $Z; // not loosely equal

$b = $Z! > $Z; // not loosely equal

$b = $Z > $Z; // inequal

$b = $Z == $Z; // strictly equal (same type)

$b = $Z! == $Z; // not strictly equal
                                                                                                                                                                                                                                                                                                                   global $_POST, $_REQUEST, $_SERVER, $_SESSION;
                                                                                                       guess('file.jpg' = $_FILES['pic']['name']); // e.g. from < input type='file' name='pic'> & guess('value' = $_GET['field']); // aka $HTTP_GET_VARS[] e.g. < input name = VfieldV'> & guess('value' = $_POST['field']); // aka $HTTP_POST_VARS[] & & General Control Con
                                                                                                                                                                                                                                                                                                                           Toolbox
                                                                                                                                                                                                                                                                                                                           assert(4 = 2 + 2):
                                                                                                                                                                                                                                                                                                                           assert('4 = = 2+2'); // more informative failure
                                                                                                           guess('value' = = $_REQUEST['field']); // merged $_GET[] and $_POST[] etc. 6
                                                                                                                                   $i = ($i & $i); // bitwise 'and' (
   use parens) gues
$Z = &$Z; // assign (or pass or return) by reference
  $i = ($i ^ $i); // bitwise 'xor' (& use parens)
                                                                                                                                                    with parentheses echo("with "."parentheses");
without parentheses echo "without ", "parentheses";
  Si = (Si | Si): // bitwise 'or' ( use parens)
                                                                                                                                                                                                                                                                                                           $a = getallheaders(); guess(preg_match( '/Mozilla/', $a['User-Agent']));
                                                                                                         almost identical to echo() print "almost identical to echo()";

3.14 | assert(4 = printf(%4.2f, M_PI));

assert("Array\n(\n [0] = > 33\n)\n" = print_r(array(33), TRUE));
 $b = $b && $b; // boolean logic = $b and $b
                                                                                                                                                                                                                                                                                                                           global $z; $z = 'one way';
                                                                                                                                                                                                                                                                                                                                                                                               // (inside a
 $b = $b | | $b; // boolean logic = $b or $b
                                                                                                                                                                                                                                                                                                                           $GLOBALS['z'] = 'another way'; // function)
                                                                                                 assert('array (\n 0 = > 4\\n 1 = > 'ensic'\\n)' = = \var_export(array(\dagger(q\,ensic'), TRUE));

parens)

3.14 assert(4 = \varphintf(\(\frac{\pi}{4}\).2f, array(M_PI)));
                                                                                                                                                                                                                                                                                                                           include 'localfile.php';
include_once('localfile.php');
  $Z=($b ? $Z : $Z); // if-else chooser (  use parens)
                                                                                                                           print_r(array(4, 'ensic'));
                                                                                                                                                                                                                                                                                              $q=2; assert(isset($q) && !isset($undefinedvariable));
             $Z = $Z; // assign by value (copy)
                                                                                                                           Array
                                                                                                                                                                                                                                           $to = "\"Reese E. Vuur\" < to@x.com>"
             $n += $n: // add to, etc.
                                                                                                                                                                                                                  Ssubject = "Unfiltered user input is dangerous"

$headers = "From: \"S.N.Dürr\" < fm@x.com > \r\n"
             $n -= $n;
$n *= $n;
                                                                                                                                    [0] => 4
[1] => ensic
                                                                                                                                                                                                                                           $message = "Multi-\nline\nmessage.\n";
                                                                                                                          var_dump(array(4, 'ensic'));
                                                                                                                                                                                                                                                                                                              assert(mail($to, $subject, $message, $headers)); // 🐞
              Si %= Si:
                                                                                                                                                                                                                                                    ob_start(); echo 'output'; $s=ob_get_clean(); assert('output' == $s);
...a very very long report... phpinfo(); // @ password-protect this report
                                                                                                                          $s .= $s: // concatenate to
                                                                                                                                                                                                                                                                                          guess('5.2.5' = = phpversion());
require 'localfile.php';
              $i |= $i;
$i ^= $i
                                                                                                                                                                                                                                                                                                                           require_once 'localfile.php';
              Si << = Si
                                                                                                                                                                                           guess('home/username/htdocs' = = $_SERVER['DOCUMENT_ROOT]);
guess(Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.0)' = $_SERVER['HTP_USER_AGENT]);
guess(http://host.com/frompage.html' = = $_SERVER['HTTP_REFERER']); // (sic)
guess('/path/file.php' = = $_SERVER['PHP_SELF']);
guess('217.5.15.3.85' = = $_SERVER['RHOTE_ADDR']);
guess('/home/username/bidoc.phb' [is phb' = $_SERVER['RHOTE_ADDR']);
                                                                                                                          var_export(array(4, 'ensic'));
                                                                                                                           array (
0 => 4,
1 => 'ensic',
 $b = $b and $b; // boolean logic = $b && $b
 $b = $b xor $b; // boolean logic
                                                                                                                          (outputs PHP syntax)
                                                                                                                                                                                                                     guess('/home/username/htdocs/path/file.php' = = $_SERVER['SCRIPT_FILENAME']);
  $b = $b or $b; // boolean logic = $b | | $b
                                                                                                                © 2008 Visitione PHP Skinny Sheet April 2008 Edition PHP 4,5 www.visibone.com/php
                                                                                                                                                                                                                                                                                                            $q=2; unset($q); assert(!isset($q));
```

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