

is_numeric

WMPRO, WMMINI FW >= 1.0 WMMEGA FW >= 2.0

Return 1 if the value is numeric (integer, float or numeric string)

Description

```
int is_numeric ( mixed $value )
```

Check if a value is numeric

Parameters

value: Variable or expression to be evaluated

Return Value

1 (true) if numeric, 0 (false) if not numeric (arrays always return 0)

Examples

Example #1

```
<?
$f=1.0;
print(is_numeric($f)); //outputs 1, $f is a float
$i=1;
print(is_numeric($i)); //outputs 1, $i is an int
$nns="cool";
print(is_numeric($nns)); //outputs 0, $nns is a non-numeric string
$ns="-1.5";
print(is_numeric($ns)); //outputs 1, $ns is a numeric string
?>
```

Example #2 - Set up an array of different types of values. Then iterate through the array and output each element type, value and whether is_numeric() returns true or false:

```
<pre><?
$tests = array(
    1337,
    0x539,           //1337 expressed in hexadecimal format
    02471,           //1337 expressed in octal format
```

```
0b10100111001, //1337 expressed in binary format
-25,
42.8,
-365.0,
"42.9",
"no numbers",
"123 with numbers",
array(1,2,3),
);
for ($i=0;$i<sizeof($tests);$i++) {
    if (is_int($tests[$i])) print("The int");
    if (is_float($tests[$i])) print("The float");
    if (is_string($tests[$i])) print("The string");
    if (is_array($tests[$i])) print("The array");
    if (!is_array($tests[$i])) print(" '" . $tests[$i] . "'");
    if (is_numeric($tests[$i])) {
        print(" is numeric\r\n");
    } else {
        print(" is NOT numeric\r\n");
    }
}
?></pre>
```

The above example will output:

```
The int '1337' is numeric
The int '1337' is numeric
The int '1337' is numeric
The int '1337' is numeric
The int '-25' is numeric
The float '42.799999' is numeric
The float '-365.011138' is numeric
The string '42.9' is numeric
The string 'no numbers' is NOT numeric
The string '123 with numbers' is NOT numeric
The array is NOT numeric
```

Notes

Unlike functions [is_int\(\)](#), [is_float\(\)](#), [is_string\(\)](#) and [is_array\(\)](#) this function looks at more than just the type of the variable, it also checks strings to see if they are numeric.

See Also

[is_int\(\)](#) - Return 1 if the variable is an integer

[is_float\(\)](#) - Return 1 if the variable is a float

[is_string\(\)](#) - Return 1 if the variable is a string

[is_array\(\)](#) - Return 1 if the variable is an array

[isset\(\)](#) - Return 1 if the variable exists

[uPHP Numbers and Numeric Calculations](#)

[uPHP Variable Types and Limits](#)

[array\(\)](#) - Create an array with values

[if](#) - Flow control structure for conditional execution

[for](#) - Flow control structure for a conditional loop

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