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# PHP Fiddle

http://phpfiddle.org

# Multibyte UCFirst

```
function mb_ucfirst($string)
{
    return mb_strtoupper(mb_substr($string, 0, 1)).mb_strtolower(mb_substr($string, 1));
}
```

```
function find_closest_ip($my_ip, $ips) {
    $my_ip = ip2long($my_ip);
    $distances = array();
    foreach ($ips as $ip) {
        $distances[$ip] = ceil(log(($my_ip ^ ip2long($ip)) + 1, 2));
    }
    return array_search(min($distances), $distances);
}
```

```
function check_email($email) {
    $atom = '[-a-z0-9!#$%&\'*+/=?^_`{|}~]'; // znaky tvořící uživatelské jméno
    $domain = '[a-z0-9]([-a-z0-9]{0,61}[a-z0-9])'; // jedna komponenta domény
    return eregi("^$atom+(\\.$atom+)*@($domain?\\.)+$domain\$", $email);
}
```

# Number with leading zeros

```
sprintf('%02d', $month)
```

# Import XML

```
$xmlendpoint = 'http://blabla/endpoint';

setlocale(LC_NUMERIC, 'C');

$file = file_get_contents($xmlendpoint, false);
$xml = new SimpleXMLElement($file);

foreach ($xml->neco as $neco) {
sql("INSERT INTO neco VALUES ('".$neco->typ."','".$neco->evcj."','".$neco->popis."')");
}
```

# Sort Array by key

```
foreach($xml->sap as $id) {
    $znakSort[] = $id->znak;
}
```

```
array_multisort($znakSort, SORT_ASC, SORT_STRING, $xml->sap);
```

# Input filtering (UTF8)

```
function filterinput($string)
{
    preg_match_all("/[\@\\.\s\w\p{L}\p{N}\p{Pd}]/u", $string, $result);
    return implode('', $result[0]);
}
```

# Compile PHP to Windows EXE

https://sourceforge.net/projects/bamcompile/

# Insert image to HTML

```
function getDataURI($imagePath) {
    $finfo = new finfo(FILEINFO_MIME_TYPE);
    $type = $finfo->file($imagePath);
    return 'data:'.$type.';base64,'.base64_encode(file_get_contents($imagePath));
}

//Use the above function like below:
echo '<img src="'.getDataURI('./images/my-file.svg').'" alt="">';
echo '<img src="'.getDataURI('./images/my-file.png').'" alt="">';
```

# cURL fetch IMAP

```
$ch = curl_init();

      if($ch) {

        /* Set username and password */
        curl_setopt($ch, CURLOPT_USERNAME, "user");
        curl_setopt($ch, CURLOPT_PASSWORD, "secret");

        /* This will fetch message 1 from the user's inbox */
        curl_setopt($ch, CURLOPT_URL, "imap://imap.example.com/INBOX/;UID=1");

            $proxy = '127.0.0.1:8888';
            //$proxyauth = 'user:password';

            curl_setopt($ch, CURLOPT_PROXY, $proxy);
            //curl_setopt($ch, CURLOPT_PROXYUSERPWD, $proxyauth);
            curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);
            curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
            curl_setopt($ch, CURLOPT_HEADER, 1);


        /* Perform the fetch */
        $res = curl_exec($ch);
```

```
        /* Always cleanup */
        curl_close($ch);
      }
```

# Hello World

```
<?php
class Greeting {
    public function sayHello($to)
    {
        echo "Hello $to";
    }
}

$greeter = new Greeting();
$greeter->sayHello("World");
?>
```

# WGS84 DMS to DD converter

```
<?php

/**
 * Converts WGS84 coordinates from Degrees, Minutes, Seconds (DMS) format
 * to Decimal Degrees (DD) format.
 *
 * @param string $dms Latitude or longitude in DMS format (e.g., "49°44'55.23\"N",
"15°33'12.87\"E").
 * @return float|null Decimal degrees, or null if the input format is invalid.
 */
function dmsToDd(string $dms): ?float
{
    // Regular expression to parse DMS format
    $pattern = '/^(\d+)°(\d+)\'([\d.]+)"([NSEW])$/i';

    if (preg_match($pattern, $dms, $matches)) {
        $degrees = intval($matches[1]);
        $minutes = intval($matches[2]);
        $seconds = floatval($matches[3]);
        $direction = strtoupper($matches[4]);

        $dd = $degrees + $minutes / 60 + $seconds / 3600;

        // Adjust sign based on direction
        if ($direction === "S" || $direction === "W") {
            $dd *= -1;
        }

        return $dd;
    } else {
        return null; // Invalid format
    }
}

$source = "49°26'07.78\"N,12°52'01.14\"E";

$source = explode("\n", $source);
```

```
$i = 0;
while ($source[$i]) {
    $xy = explode(",", $source[$i]);
    echo dmsToDd($xy[0]) . ";" . dmsToDd($xy[1]) . "\n";
    $i++;
}
```

# Enable ZEND opcache

```
zend_extension=/usr/local/lib/php/extensions/no-debug-non-zts-20131226/opcache.so
opcache.enable=1
opcache.memory_consumption=128
opcache.max_accelerated_files=10000
opcache.revalidate_freq=120
opcache.fast_shutdown=1
opcache.enable_cli=0
opcache.save_comments=1
opcache.load_comments=0
opcache.enable_file_override=1
```

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