Useful PHP Codes

Increment a Date by Month, Day or Year

Increment by month

```
$time = strtotime("2014-12-11");
$d = date("Y-m-d", strtotime("+1 month", $time));
```

Increment by day

```
$time = strtotime("2014-12-11");
$d = date("Y-m-d", strtotime("+1 day", $time));
```

Increment by year

```
$time = strtotime("2014-12-11");
$d = date("Y-m-d", strtotime("+1 year", $time));
```

Verify Email Accounts

```
<?php
function verifyEmail($toemail, $fromemail, $getdetails = false)
{
    $email_arr = explode("@", $toemail);
    $domain    = array_slice($email_arr, -1);
    $domain    = $domain[0];
    // Trim [ and ] from beginning and end of domain string, respectively
    $domain    = ltrim($domain, "[");
    $domain    = rtrim($domain, "]");
    if ("IPv6:" == substr($domain, 0, strlen("IPv6:"))) {
        $domain = substr($domain, strlen("IPv6") + 1);
    }
    $mxhosts = array();
    if (filter_var($domain, FILTER_VALIDATE_IP))
        $mx_ip = $domain;
```

```
else
    getmxrr($domain, $mxhosts, $mxweight);
$details = '';
if (!empty($mxhosts))
    $mx_ip = $mxhosts[array_search(min($mxweight), $mxhosts)];
else {
    if (filter_var($domain, FILTER_VALIDATE_IP, FILTER_FLAG_IPV4)) {
        $record_a = dns_get_record($domain, DNS_A);
    } elseif (filter_var($domain, FILTER_VALIDATE_IP, FILTER_FLAG_IPV6)) {
        $record_a = dns_get_record($domain, DNS_AAAA);
    }
    if (!empty($record_a))
        $mx_ip = $record_a[0]['ip'];
    else {
        $result = "invalid";
        $details .= "No suitable MX records found.";
        return ((true == $getdetails) ? array(
            $result,
            $details
        ) : $result);
    }
}

$connect = @fsockopen($mx_ip, 25);
if ($connect) {
    if (preg_match("/^220/i", $out = fgets($connect, 1024))) {
        fputs($connect, "HELO $mx_ip\r\n");
        $out = fgets($connect, 1024);
        $details .= $out . "\n";

        fputs($connect, "MAIL FROM: <$fromemail>\r\n");
        $from = fgets($connect, 1024);
        $details .= $from . "\n";
        fputs($connect, "RCPT TO: <$toemail>\r\n");
        $to = fgets($connect, 1024);
        $details .= $to . "\n";
        fputs($connect, "QUIT");
        fclose($connect);
        if (!preg_match("/^250/i", $from) || !preg_match("/^250/i", $to)) {
            $result = "invalid";
        } else {
            $result = "valid";
        }
    }
} else {
    $result = "invalid";
    $details .= "Could not connect to server";
}
if ($getdetails) {
    return array(
        $result,
        $details
    );
```

```
    } else {
        return $result;
    }
}

//Sample usage:
print_r(verifyEmail('<to email>', '<from email>'));
```

Calculate Coordinate Distances

```
function getDistance( $latitude1, $longitude1, $latitude2, $longitude2 ) {
    $earth_radius = 6371;

    $dLat = deg2rad( $latitude2 - $latitude1 );
    $dLon = deg2rad( $longitude2 - $longitude1 );

    $a = sin($dLat/2) * sin($dLat/2) + cos(deg2rad($latitude1)) * cos(deg2rad($latitude2)) * sin
    $c = 2 * asin(sqrt($a));
    $d = $earth_radius * $c;

    return $d;
    }

    $distance = getDistance( 56.130366, -106.34677099999, 57.223366, -106.34675644699 );
    if( $distance < 100 ) {
        echo "Within 100 kilometer radius";
    } else {
        echo "Outside 100 kilometer radius";
    }
}
```

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