

Find files in PHP

scandir(\$path) returns the searched result in array. If you want to implement recursive scan for sub directories, you can implement it by checking filetype().



\$result = **scandir**(*directory*, *order*, *context*)

- it returns false on failure.

```
<?php

$r = scandir("/etc/");
print_r( $r);

?>
```

Below is another example to find files in regexp.

```
// Programmed by Chun Kang - 2020-03-27
function findfiles( $path, $regexp="", $order=0)
{
    $r = scandir( $path, $order); // $order: 0->ascending / 1->descending
    if ($r==false) $ret=$r;
    else
    {
        $ret=array();
        $i=count($r)-1;
        for($i=0; $i<count($r); $i++)
        {
            if (
                (($regexp=="") || preg_match('/' . $regexp . '/', $r[$i]))
                && strlen($r[$i])
                && $r[$i]!='.'
                && $r[$i]!='..'
            ) $ret[]=$r[$i];
        }
    }
    return $ret;
}

$r = findfiles( "/repostirory", "qsok(.*?)mysql");
print_r($r);
```

Below is another example to find files including sub directories combined with regexp:

```

function findfiles( $path, $regexp=NULL, $order=0)
{
    $ret = array();

    $searchEntry = array();
    $searchEntry []= $path;

    $hasRegexp = strlen($regexp);

    $entry_cnt=0;
    while( $entry_cnt<count($searchEntry))
    {
        $entryPath = $searchEntry[$entry_cnt++];

        echo "scan - {$entryPath}\n";
        $r = scandir( $entryPath, $order); // $order: 0->ascending / 1->descending
        foreach($r as $filename)
        {
            $full_path = $entryPath . "/" . $filename;
            echo "[{$filename}] - {$full_path}\n";
            if (($filename!=".") && ($filename!=".."))
            {
                if ( filetype( $full_path) == "dir") $searchEntry []= $full_path;
                else if (
                    (!$hasRegexp || preg_match('/' . $regexp . '/', $filename))
                    && strlen($filename)
                ) $ret[]=str_replace( $path . "/", "", $full_path);
            }
        }
    }

    return (count($ret) ? $ret: NULL);
}

```