

fread_unpack

WMMEGA FW >= 2.1179

Read data from a file into an indexed array in binary form.

Description

`int fread_unpack ( int $handle, string $format , int $count , int $interval )`

This function performs a binary-safe read of data from a file into an indexed array that is automatically created. The format parameter determines the element size of the array.

Parameters

- \$handle**: Valid handle of a previously opened file
- \$format**: **String** containing one of the following items:

Value	Description
l	signed long (always 32 bit, machine byte order)
f	floating point(always 32 bit, machine byte order)
c	signed byte

- \$count**: Number of elements to read (this will be multiplied by the array element size in byte which could be 1,2 or 4 depending on the data type)
- \$interval**: Interval in elements to skip between reads (keep this to 1 to read a block of data)

Return Values

array indexed array containing the data

Examples

```
<?
// assuming your file contains the following float:
//
1.0,2.0,3.0,4.0,5.0,6.0,7.0,8.0,9.0,10.0,11.0,12.0,13.0,14.0,15.0,16.0,17.0,
18.0,19.0
$fh = fopen("/data.dat","r");
if (!$fh) {
    print("File open failed");
}
```

```
} else {  
    $arr=fread_unpack($fh,'f',10,1);  
    // this will contain an array of 10 floating points read contiguously  
    print_r($arr);  
    // 1.0,2.0,3.0,4.0,5.0,6.0,7.0,8.0,9.0,10  
  
    $arr=fread_unpack($fh,'f',10,2);  
    // this will contain an array of 10 floating point values spaced at 2  
    floats apart.  
  
    print_r($arr);  
    // 1.0,3.0,5.0,7.0,9.0,11.0,13.0,15.0,17.0,19.0  
  
    fclose($fh);  
}  
?>
```

See Also

[pack\(\)](#) - Pack data

[unpack\(\)](#) - Unpack data

[fwrite_pack\(\)](#) - WRite binary data from an indexed array

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