

# 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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