## NAME
readdir – directory input parser for gawk

## SYNOPSIS
```
@load "readdir"
```

## DESCRIPTION
The *readdir* extension adds an input parser for directories.

When this extension is in use, instead of skipping directories named on the command line (or with **getline**), they are read, with each entry returned as a record.

The record consists of three fields. The first two are the inode number and the filename, separated by a forward slash character. On systems where the directory entry contains the file type, the record has a third field which is a single letter indicating the type of the file: **f** for file, **d** for directory, **b** for a block device, **c** for a character device, **p** for a FIFO, **l** for a symbolic link, **s** for a socket.

On systems without the file type information, the extension falls back to calling *stat*(2), in order to provide the information. Thus the third field should never be **u**.

## EXAMPLE
```
@load "readdir"
...
BEGIN { FS = "/" }
{ print "file name is", $2 }
```

## SEE ALSO
*GAWK: Effective AWK Programming*, *filefuncs*(3am), *fnmatch*(3am), *fork*(3am), *inplace*(3am), *ordchr*(3am), *readfile*(3am), *revoutput*(3am), *rwarray*(3am), *time*(3am).

*opendir*(3), *readdir*(3), *stat*(2).

## AUTHOR
Arnold Robbins, **arnold@skeeve.com**.

## COPYING PERMISSIONS
Copyright © 2012, 2013, 2018, 2019 Free Software Foundation, Inc.

Permission is granted to make and distribute verbatim copies of this manual page provided the copyright notice and this permission notice are preserved on all copies.

Permission is granted to copy and distribute modified versions of this manual page under the conditions for verbatim copying, provided that the entire resulting derived work is distributed under the terms of a permission notice identical to this one.

Permission is granted to copy and distribute translations of this manual page into another language, under the above conditions for modified versions, except that this permission notice may be stated in a translation approved by the Foundation.