NAME
        readdir – read directory entry

SYNOPSIS
        int readdir(unsigned int *fd***, struct old_linux_dirent ****dirp***,**
                unsigned int *count***);**

DESCRIPTION
        This is not the function you are interested in. Look at **readdir**(3) for the POSIX conforming C library
        interface. This page documents the bare kernel system call interface, which is superseded by **getdents**(2).

        readdir() reads one *old_linux_dirent* structure from the directory referred to by the file descriptor *fd* into
        the buffer pointed to by *dirp*. The argument *count* is ignored; at most one *old_linux_dirent* structure is
        read.

        The *old_linux_dirent* structure is declared as follows:

            struct old_linux_dirent {
                long d_ino;   /* inode number */
                off_t d_off;   /* offset to this *old_linux_dirent* */
                unsigned short d_reclen; /* length of this *d_name* */
                char d_name[NAME_MAX+1]; /* filename (null-terminated) */
            }

        d_ino is an inode number. *d_off* is the distance from the start of the directory to this *old_linux_dirent*.
        d_reclen is the size of *d_name*, not counting the null terminator. *d_name* is a null-terminated filename.

RETURN VALUE
        On success, 1 is returned. On end of directory, 0 is returned. On error, −1 is returned, and *errno* is set
        appropriately.

ERRORS
        EBADF
                Invalid file descriptor *fd*.

        EFAULT
                Argument points outside the calling process's address space.

        EINVAL
                Result buffer is too small.

        ENOENT
                No such directory.

        ENOTDIR
                File descriptor does not refer to a directory.

CONFORMING TO
        This system call is Linux-specific.

NOTES
        Glibc does not provide a wrapper for this system call; call it using **syscall**(2). You will need to define the
        old_linux_dirent structure yourself.

SEE ALSO
        getdents(2), **readdir**(3)

COLOPHON
        This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and informa-
        tion about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.