

**NAME**

**stat** — Extract inode metadata for a filename

**LIBRARY**

SQLite User-defined function Library (readdir.so)

**SYNOPSIS**

```
select stat(filename, stat_field);
```

**DESCRIPTION**

The **stat** function executes a call to `stat(2)` for `filename`, returning `stat_field` from `struct stat` as defined in `<sys/stat.h>`. The supported values for `stat_field` are:

mode	the file's mode (protection and type)
nlink	number of hard links to the file
uid	user-id of owner
gid	group-id of owner
rdev	device type, for device special file
atime	time of last access
atimensec	nsec of last access
mtime	time of last data modification
mtimensec	nsec of last data modification
ctime	time of last file status change
ctimensec	nsec of last file status change
size	file size, in bytes
blocks	blocks allocated for file
blksize	optimal file sys I/O ops blocksize
flags	user defined flags for file
gen	file generation number
birthtime	time of inode creation
birthtimensec	nsec of inode creation

**EXAMPLES**

```
sqlite> select stat('/home', 'mode') as mode;
mode
-----
16877
```

**IMPLEMENTATION NOTES**

To use **stat** in the SQLite shell **sqlite3**, add the following to your `~/.sqliterc` file:

```
.load /usr/local/lib/sqlite3/readdir.so
```

**SEE ALSO**

readdir(3s) strmode(3s)

The above SQLite user-defined functions are intended for use with **stat**.

**AUTHORS**

**stat** was contributed by James K. Lowden