GetFInfo Obtain file type, creator, icon position, etc.

#include <Files.h> **File Manager**

```
OSErr     GetFInfo(fileName, vRefNum, fndrInfo );
Str255    fileName ;     address of length-prefixed full or partial name
short     vRefNum ;      volume or working directory reference
FInfo     *fndrInfo ;    address of a 16-byte FInfo structure
          returns        Error Code; 0=no error
```

GetFInfo obtains a copy of the 16-byte packet of descriptive information maintained for the Finder. This includes the file's type, the signature of its creator, Finder flags (such as whether the icon is displayed or is actually on the desktop), and the display position of the file's icon within its folder (window).

fileName is the address of a length-prefixed, pascal-style string containing the name of the file of interest. It may be a partial or full pathname, depending upon the value of *vRefNum* .

vRefNum is the reference number of the volume or working directory that contains the file or directory *fileName*. 0 indicates the default volume.

fndrInfo is the address of a 16-byte FInfo structure. Upon return, it is filled with file-specific information used by the Finder.

Returns: an operating system Error Code. It will be one of:

noErr	(0)	No error
bdNamErr	(-37)	Bad name
extFSErr	(-58)	External file system
fnfErr	(-43)	File not found
ioErr	(-36)	I/O error
paramErr	(-50)	No default volume

Notes: The meaning of the bits in the fdFlags field of the FInfo structure has changed since System 6.x. Be sure to check the FInfo structure to be sure that the meaning of the bit that you are checking has not changed. For instance, there is no longer a bit in the fdFlags field which indicates whether or not a file is locked. To determine this information call **PBGetFInfo** and examine the ioFlAttrib field.

GetFInfo is a functional subset of the low-level **PBGetFInfo** call (which allows you to examine the file's date/time information as well as the Finder-specific data).

The FInfo structure maintains the primary information used by the Finder in locating the icon to display, where to display it and which application to run when its icon is double-clicked. It is the same information as in the ioFlFndrInfo field of the FileParam structure, which is passed to custom "file filters" used in the Standard File Package (see **SFGetFile**).

Additional Finder information is maintained in an FXInfo structure, which can be obtained via **PBGetCatInfo**. Use **SetFInfo**, **PBSetFInfo**, or **PBSetCatInfo** to modify the Finder information (and other information about a file).

If your application rewrites files by deleting the original and creating a new one, you should maintain the position on the file's icon within its folder.

Example

```
#include <Files.h>

FInfo       fi;
short       rc;
char        *tcp = (char *) &fi.fdType;
char        *ccp = (char *) &fi.fdCreator;

rc=GetFInfo( "\pHardDisk:Ltrs:Smith", 0,  &fi );
if ( rc ) { /* . . . handle the error . . . */ }

printf ("File Type:  '%ld'  File Creator: '%ld' \n", tcp[0], ccp[0] );
```