H5F_GET_NAME

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H5F_GET_NAME

Retrieves name of file to which object belongs

Procedure:

H5F_GET_NAME (obj_id, name, size)

Signature:

```
ssize_t H5Fget_name(hid_t obj_id, char *name, size_t size )
```

```
SUBROUTINE h5fget_name_f(obj_id, buf, size, hdferr)

  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: obj_id     ! Object identifier
  CHARACTER(LEN=*), INTENT(INOUT) :: buf   ! Buffer to hold file name
  INTEGER(SIZE_T), INTENT(OUT) :: size     ! Size of the file name
  INTEGER, INTENT(OUT) :: hdferr           ! Error code: 0 on success,
                                           ! -1 if fail
END SUBROUTINE h5fget_name_f
```

Parameters:

hid_t `obj_id`	IN: Identifier of the object for which the associated file name is sought; may be a file, group, dataset, attribute, or named datatype
char *`name`	OUT: Buffer to contain the returned file name
size_t `size`	IN: Size, in bytes, of the name buffer

Description:

H5F_GET_NAME retrieves the name of the file to which the object `obj_id` belongs. The object can be a file, group, dataset, attribute, or named datatype.

Up to `size` characters of the file name are returned in `name`; additional characters, if any, are not returned to the user application.

If the length of the name, which determines the required value of `size`, is unknown, a preliminary H5F_GET_NAME call can be made by setting n ame to NULL. The return value of this call will be the size of the file name; that value plus one (1) can then be assigned to `size` for a second H5F_GET_NAME call, which will retrieve the actual name. (The value passed in with the parameter `size` must be one greater than size in bytes of the actual name in order to accommodate the null terminator; if `size` is set to the exact size of the name, the last byte passed back will contain the null terminator and the last character will be missing from the name passed back to the calling application.)

If an error occurs, the buffer pointed to by `name` is unchanged and the function returns a negative value.

Returns:

Returns the length of the file name if successful; otherwise returns a negative value.

Example:

Coming soon!

History:

Release	Change
1.6.3	C Function introduced in this release. Fortran subroutine introduced in this release.

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