

H5T_GET_NORM

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H5T_GET_NORM

Retrieves mantissa normalization of a floating-point datatype

Procedure:

H5T_GET_NORM (dtype_id)

Signature:

```
H5T_norm_t H5Tget_norm( hid_t dtype_id )
```

```
SUBROUTINE h5tget_norm_f(type_id, norm, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: type_id
                                ! Datatype identifier
  INTEGER, INTENT(OUT) :: norm  ! Mantissa normalization of a
                                ! floating-point datatype
                                ! Valid normalization types are:
                                !   H5T_NORM_IMPLIED_F(0)
                                !     MSB of mantissa is not
                                !     stored, always 1
                                !   H5T_NORM_MSBSET_F(1)
                                !     MSB of mantissa is always 1
                                !   H5T_NORM_NONE_F(2)
                                !     Mantissa is not normalized
  INTEGER, INTENT(OUT) :: hdferr ! Error code
END SUBROUTINE h5tget_norm_f
```

Parameters:

<i>hid_tdtype_id</i>	IN: Identifier of datatype to query
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Description:

H5T_GET_NORM retrieves the mantissa normalization of a floating-point datatype. Valid normalization types are:

H5T_NORM IMPLIED (0)	MSB of mantissa is not stored, always 1
H5T_NORM_MSBSET (1)	MSB of mantissa is always 1
H5T_NORM_NONE (2)	Mantissa is not normalized

Returns:

Returns a valid normalization type if successful; otherwise H5T_NORM_ERROR (-1).

Example:

Coming Soon!

--- Last Modified: May 16, 2019 | 10:12 AM