

# H5T\_SET\_NORM

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# H5T\_SET\_NORM

Sets the mantissa normalization of a floating-point datatype

## Procedure:

H5T\_SET\_NORM (dtype\_id, norm)

## Signature:

```
herr_t H5Tset_norm( hid_t dtype_id, H5T_norm_t norm )
```

```
SUBROUTINE h5tset_norm_f(type_id, norm, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: type_id
                                ! Datatype identifier
  INTEGER, INTENT(IN) :: 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 h5tset_norm_f
```

## Parameters:

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<i>hid_tdtype_id</i>	IN: Identifier of datatype to set
<i>H5T_norm_tnorm</i>	IN: Mantissa normalization type

**Description:**

H5T\_SET\_NORM sets the mantissa normalization of a floating-point datatype. Valid normalization types are:

Type	Description
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 non-negative value if successful; otherwise returns a negative value.

**Example:**

Coming Soon!

--- Last Modified: May 23, 2019 | 03:35 PM