

# H5T\_GET\_MEMBER\_VALUE

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# H5T\_GET\_MEMBER\_VALUE

Returns the value of an enumeration datatype member

## Procedure:

H5T\_GET\_MEMBER\_VALUE (dtype\_id, memb\_no, value)

## Signature:

```
herr_t H5Tget_member_value( hid_t dtype_id, unsigned memb_no, void *value )
```

```
SUBROUTINE h5tget_member_value_f(type_id, member_no, value, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: type_id ! Datatype identifier
  INTEGER, INTENT(IN) :: member_no      ! Number of the enumeration
                                         ! datatype member
  INTEGER, INTENT(OUT) :: value         ! Value of the enumeration datatype
  INTEGER, INTENT(OUT) :: hdferr       ! Error code
END SUBROUTINE h5tget_member_value_f
```

## Parameters:

<i>hid_t</i> dtype_id	IN: Datatype identifier for the enumeration datatype
<i>unsigned</i> memb_no	IN: Number of the enumeration datatype member
<i>void</i> *value	OUT: Pointer to a buffer for output of the value of the enumeration datatype member

**Description:**

H5T\_GET\_MEMBER\_VALUE returns the value of the enumeration datatype member `memb_no`.

The member value is returned in a user-supplied buffer pointed to by `value`. Values returned in `value` will be of the enumerated type's base type, that is, the datatype used by `H5T_ENUM_CREATE` when the enumerated type was created.

The `value` buffer must be at least large enough to hold a value of that base type. If the size is unknown, you can determine it with `H5T_GET_SIZE`, `H5Tget_size(dtype_id)`, where `dtype_id` is set to the base type.

**Returns:**

Returns a non-negative value if successful; otherwise returns a negative value.

**Example:**

Coming Soon!

**History:**

Release	Change
1.6.4	<code>membno</code> parameter type changed to <i>unsigned</i> .

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