

H5T_ENUM_CREATE

[Expand all](#) [Collapse all](#)

- [Jump to ...](#)
- [Summary](#)
- [Description](#)
- [Example](#)
- [Switch language ...](#)
- [C](#)
- [C++](#)
- [FORTRAN](#)
- [JAVA](#)

[Summary](#)
[Description](#)
[Example](#)
[JAVA](#)
[FORTRAN](#)
[C++](#)
[C](#)

H5T_ENUM_CREATE

Creates a new enumeration datatype

Procedure:

H5T_ENUM_CREATE(dtype_id)

Signature:

```
hid_t H5Tenum_create( hid_t dtype_id )
```

```
SUBROUTINE h5tenum_create_f(dtype_id, new_type_id, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: dtype_id      ! Datatype identifier for
                                              ! the base datatype
  INTEGER(HID_T), INTENT(OUT) :: new_type_id  ! Datatype identifier for the
                                              ! new enumeration datatype
  INTEGER, INTENT(OUT) :: hdferr             ! Error code
END SUBROUTINE h5tenum_create_f
```

Parameters:

<i>hid_t</i> dtype_id	IN: Datatype identifier for the base datatype Must be an integer datatype
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Description:

H5T_ENUM_CREATE creates a new enumeration datatype based on the specified base datatype, `dtype_id`, which must be an integer datatype.

If a particular architecture datatype is required, a little endian or big endian datatype for example, use a native datatype as the base datatype and use H5T_CONVERT on values as they are read from or written to a dataset.

Returns:

Returns the datatype identifier for the new enumeration datatype if successful; otherwise returns a negative value.

Example:

Coming Soon!

--- Last Modified: May 10, 2019 | 02:43 PM