

H5T_GET_CLASS

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H5T_GET_CLASS

Returns the datatype class identifier

Procedure:

H5T_GET_CLASS (dtype_id)

Signature:

```
H5T_class_t H5Tget_class( hid_t dtype_id )
```

```
SUBROUTINE h5tget_class_f(type_id, class, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: type_id ! Datatype identifier
  INTEGER, INTENT(OUT) :: class ! Datatype class, possible values are:
  ! H5T_NO_CLASS_F
  ! H5T_INTEGER_F
  ! H5T_FLOAT_F
  ! H5T_STRING_F
  ! H5T_BITFIELD_F
  ! H5T_OPAQUE_F
  ! H5T_COMPOUND_F
  ! H5T_REFERENCE_F
  ! H5T_ENUM_F
  ! H5T_VLEN_F
  ! H5T_ARRAY_F

  INTEGER, INTENT(OUT) :: hdferr ! Error code
  ! 0 on success and -1 on failure
END SUBROUTINE h5tget_class_f
```

Parameters:

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

H5T_GET_CLASS returns the datatype class identifier.

Valid class identifiers, as defined in `H5Tpublic.h`, are:

- H5T_INTEGER
- H5T_FLOAT
- H5T_STRING
- H5T_BITFIELD
- H5T_OPAQUE
- H5T_COMPOUND
- H5T_REFERENCE
- H5T_ENUM
- H5T_VLEN
- H5T_ARRAY

Note that the library returns H5T_STRING for both fixed-length and variable-length strings.

Unsupported datatype: The time datatype class, H5T_TIME, is not supported. If H5T_TIME is used, the resulting data will be readable and modifiable only on the originating computing platform; it will not be portable to other platforms.

Returns:

Returns datatype class identifier if successful; otherwise H5T_NO_CLASS (-1).

Example:

Coming Soon!

--- Last Modified: May 16, 2019 | 09:23 AM