H5LT_MAKE_DATASET_DOUBLE

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H5LT_MAKE_DATASET_DOUBLE

Creates and writes a dataset.

Procedure:

H5LT_MAKE_DATASET_DOUBLE(loc_id, dset_name, rank, dims, buffer)

Signature:

```
herr_t H5LTmake_dataset_double ( hid_t loc_id, const char *dset_name, int rank, const hsize_t *dims, const
double*buffer )
```

```
subroutine h5ltmake_dataset_double_f(loc_id, dset_name, rank, dims, &
                                     buf, errcode)
  implicit none
  integer(HID_T), intent(IN) :: loc_id           ! file or group identifier
  character(LEN=*), intent(IN) :: dset_name      ! name of the dataset
  integer, intent(IN) :: rank                    ! rank
  integer(HSIZE_T), dimension(*), intent(IN) :: dims
                                                 ! size of the buffer buf
  double precision, intent(IN), dimension(*) :: buf
                                                 ! data buffer
  integer :: errcode                             ! error code
end subroutine h5ltmake_dataset_double_f
```

Parameters:

hid_t `loc_id`	IN: Identifier of the file or group to create the dataset within.
const char `*dset_name`	IN: The name of the dataset to create.
int `rank`	IN: Number of dimensions of dataspace.
const hsize_t `* dims`	IN: An array of the size of each dimension.
const double `* buffer`	IN: Buffer with data to be written to the dataset.

Description:

`H5LTmake_dataset` creates and writes a dataset named `dset_name` attached to the object specified by the identifier `loc_id`.

The dataset's datatype will be *native floating-point double*, `H5T_NATIVE_DOUBLE`.

Returns:

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

Example:

Coming Soon!

History:

Release	**Change**
1.8.7	Fortran subroutine modified in this release to accomodate arrays with more than three dimensions.

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