

Examples from Learning the Basics

These examples are used in the [Learning The Basics](#) topic. See [Compiling Your HDF5 Applications](#) for details on compiling them. PLEASE NOTE that the example programs are listed in the order they are expected to be run. Some example programs use files created in earlier examples.

These examples (C, C++, Fortran) are provided in the HDF5 source code and (Unix) binaries.

Feature	Examples*	Comments
Create a file	C Fortran C++ Java Python	
Create a dataset	C Fortran C++ Java Python	
Read and write to a dataset	C Fortran C++ Java Python	
Create an attribute	C Fortran C++ Java Python	
Create a group	C Fortran C++ Java Python	
Create groups in a file using absolute and relative paths	C Fortran C++ Java Python	
Create datasets in a group	C Fortran C++ Java Python	
Create a file and dataset and select/read a subset from the dataset	C Fortran C++ Java Python	Also see examples to <i>Write by row</i> (and column) below .
Create an extendible (unlimited dimension) dataset	C Fortran C++ Java Python	Also see examples to <i>Extend by row</i> (and column) below .
Create a chunked and compressed dataset	C Fortran C++ Java Python	

*See [HDF5Mathematica](#) for user-contributed HDF5 Mathematica Wrappers and Introductory Tutorial Examples. The examples use P/Invoke.

Additional Examples

These examples make minor changes to the tutorial examples.

Feature	Examples
Write by row	C Fortran
Write by column	C Fortran
Extend by row	C Fortran
Extend by column	C Fortran