

# 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	Languages*
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
Create an extendible (unlimited dimension) dataset	C Fortran C++ Java Python
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.