

```

if (V_flag != 0)
    Print "HDF5OpenFile failed"
    return -1
endif

Variable groupID           // HDF5 group ID will be stored here
HDF5OpenGroup /Z fileID, groupPath, groupID
if (V_flag != 0)
    Print "HDF5OpenGroup failed"
    HDF5CloseFile fileID
    return -1
endif

HDF5LoadData /O /A=attributeName /TYPE=(objectType) /N=tempAttributeWave /Q
               /Z groupID, objectName
result = V_flag           // 0 if OK or non-zero error code

if (result == 0)
    Wave tempAttributeWave
    if (WaveType(tempAttributeWave) == 0)
        attributeValue = NaN      // Attribute is string, not numeric
        result = -1
    else
        attributeValue = tempAttributeWave[0]
    endif
    KillWaves/Z tempAttributeWave
endif

// Close the HDF5 group
HDF5CloseGroup groupID

// Close the HDF5 file
HDF5CloseFile fileID

return result
End

```

Loading an HDF5 String Attribute

This function illustrates how to load a string attribute of a group or dataset. The function result is an error code. The value of the attribute is returned via the pass-by-reference attributeValue string parameter.

```

Function LoadHDF5StringAttribute(pathName, filePath, groupPath, objectName,
                                  objectType, attributeName, attributeValue)
    String pathName           // Symbolic path name - or ""
    String filePath            // File name, relative path or full path
    String groupPath           // Path to group, such as "/", "/metadata_group"
    String objectName          // Name of group or dataset
    Variable objectType         // 1=group, 2=dataset
    String attributeName        // Name of attribute
    String& attributeValue      // Output - pass-by-reference parameter

    attributeValue = ""

Variable result = 0

// Open the HDF5 file
Variable fileID              // HDF5 file ID will be stored here
HDF5OpenFile /P=$pathName /R /Z fileID as filePath
if (V_flag != 0)
    Print "HDF5OpenFile failed"

```